

Research Report
KTC-95-16

KENTUCKY TRANSPORTATION CENTER

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SUMMARY OF RESULTS OF 1994 FIELD
AND LABORATORY EVALUATIONS OF
PAVEMENT MARKING MATERIALS



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Kentucky Transportation Center
176 CE/Transportation Building
University of Kentucky
Lexington, KY 40506-0281

TEL: (606) 257-4513
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VOLUME I. FIELD EVALUATIONS

National Transportation Product Evaluation Program

prepared by

Kentucky Transportation Center
University of Kentucky

in cooperation with

Kentucky Transportation Cabinet
Commonwealth of Kentucky

Alabama Highway Department
State of Alabama

and

Louisiana Department of Transportation
State of Louisiana

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PURPOSE

This report summarizes the results of data collected as part of the 1994 field and laboratory evaluations of pavement marking materials for the National Transportation Product Evaluation Program (NTPEP). The purpose of the NTPEP is to pool the professional and physical resources of the individual participating AASHTO member departments and to focus those resources to test materials of common interest in order to improve cost-effectiveness.

The type of testing performed under the NTPEP will provide information that will be used to evaluate the acceptability of materials and to compare the performance of similar materials. The NTPEP also provides industry with a central focal point to initiate the process of supplying materials to many organizations through one sample submission rather than separate samples of the same material to each organization. The NTPEP will not accept or reject material, but rather will provide test results for evaluation.

INTRODUCTION

The materials described in this report were placed on the SASHTO Regional Test Facilities previously used in Kentucky and Alabama. The report is divided into two volumes. The first volume presents the field evaluations while the laboratory tests results are given in the second volume.

The SASHTO Regional Test Facility (SRTF) began operation in November 1988. One type of material included in the test was classified as striping materials. After the NTPEP was started in 1994, the NTPEP has performed the functions previously performed by the SRTF.

As part of the SRTF, different states were selected to perform the tests for the various materials. For the striping materials, Kentucky was selected as the lead state responsible for reporting the results. Alabama was selected as the support state. Identical field installations were placed in both Kentucky and Alabama in 1989 and 1990. However, beginning in 1991, the field tests began operating on an alternating basis. The materials submitted for testing in 1991 were placed in Kentucky in 1991 and in Alabama in 1992. The materials submitted for testing in 1992 were placed in Alabama in 1992 and Kentucky in 1993. The laboratory tests were performed by Louisiana. The Transportation Center at the University of Kentucky performed the work in Kentucky for the Kentucky Transportation Cabinet. The Alabama Highway Department conducted the field tests in Alabama while the Louisiana Department of Transportation performed the laboratory tests in Louisiana.

This report is the sixth summary of field and laboratory evaluations of pavement marking materials at the SASHTO Regional Test Facility. The previous summaries dealt with the 1989, 1990, 1991, 1992, and 1993 evaluations. The data in this report are for a one-year period for materials placed in Alabama in 1994 and a two-year period for the longer-life materials (such as thermoplastics and nonremovable tape) placed in Kentucky in 1993. The materials placed in Alabama in 1994 were the materials first submitted and placed in Kentucky in 1993 along with the new materials submitted for 1994 and placed for the first time in Alabama.

PROCEDURE

The testing procedures were originally developed by a task force established by the Standing Committee of the SRTF. The procedures have been periodically reviewed and revised with the latest procedure prior to the 1994 installation in Alabama dated January 1994. Similar test procedures for pavement marking materials have been adopted by the NTPEP (dated January 1995). Following is a description of the testing procedures used.

SITE LOCATIONS

Field test decks on both Portland cement concrete (PCC) and bituminous concrete (asphalt) surfaces were evaluated. The decks were selected using the guidelines of ASTM D-713. Four-lane divided sections were considered desirable with a minimum average daily traffic (ADT) of 5,000. The field site had to be free-rolling with no grades, curves, or intersections or access points near enough to cause excessive braking or turning movements and had to have good drainage. The wear was to be uniform with full exposure to the sun throughout daylight hours. The surfaces had to be representative of the pavements upon which the traffic marking materials would be applied in practice. The test deck had to have been open to traffic for a minimum of one year.

MATERIALS TESTED

A total of 224 materials were placed in Alabama in 1994. This consisted of 113 materials submitted for 1994 and 111 materials placed in Kentucky in 1993. There were 125 materials originally submitted in 1994 but 12 were not placed. Also, three of the 114 materials submitted in 1993 were not placed. When divided into specific categories, 121 materials would be classified as a paint (including 18 durable type paints), 54 were thermoplastic, 9 were a preformed thermoplastic, 21 were a nonremovable tape, and 19 were a removable tape.

A listing of the materials placed in Alabama in 1994 is given in Table 1. Either

a 93 or 94 is contained in the sample number. This number indicates whether the material was originally submitted for the 1993 or 1994 test. If it was originally submitted for the 1993 test, it was first placed in Kentucky in 1993. If it was first submitted for the 1994 test, its first application was in Alabama in 1994, and it will be placed in Kentucky again in 1995. The sample numbers given in Table 1 are used when reporting the results of the evaluations.

A total of 198 materials were placed in Kentucky in 1993. When divided into specific categories, 116 materials would be classified as a paint, 33 were thermoplastic, 7 were preformed thermoplastic, 22 were a nonremovable tape, and 20 were a removable tape. Of the paints, 27 would be classified as a durable paint. Measurements were taken on 89 long-life materials for the second year. There was a total of 33 thermoplastics, 7 preformed thermoplastics, 22 tapes, and 27 durable paints. A listing of the long-life materials placed in Kentucky in 1993 for which data was collected the second year is given in Table A1. Each material is assigned a number as shown in Table A1. This reference number is used when reporting the results of the evaluations.

INSTALLATION

The test installations have been placed in Alabama in May and Kentucky in June. Starting with the 1991 tests, the application alternated between the two sites. The materials listed in Table 1 were placed in Alabama in May 1994. The installation included the materials submitted for testing in 1993 and 1994. The 1993 materials were placed in Kentucky in June 1993. The long-life materials placed in Kentucky in 1993 are listed in Table A1. The 1994 materials placed in Alabama will be placed again in Kentucky in June 1995 along with the 1995 materials. There was no installation in Kentucky in 1994.

The test sites in Alabama were placed in the southbound lanes of Interstate 65 near Montgomery. Both sites had a daily traffic count of about 8,300. The asphalt installation location was at mile post 149 while the PCC location was at mile post 162. The dates and times of the test stripe installations are given in Table 2. The asphalt pavement had been in place approximately five years while the PCC surface was about 20 years old. There had been no milling on the PCC surface.

Both the asphalt and PCC installations of the long-life materials in Kentucky were placed on Interstate 64 in the westbound lanes near Frankfort. The asphalt location was near milepost 50 and had an ADT of about 20,000. The PCC installation location was near milepost 63 and had an ADT of about 19,000. The test decks were placed during the first half of June of 1993. The asphalt pavement had been in place approximately five years while the PCC surface was slightly over 20 years old. There had been no milling on the PCC surface.

All of the striping materials were placed by the manufacturers. In the past, one manufacturer had applied any state paints which were submitted for tests. No state paints were applied in 1994. The manufacturers supplied all the necessary installation equipment. The state of Alabama supervised the installation and provided traffic control. Various types of striping materials were included. Both liquid and preformed marking materials were evaluated. Because of the large number of paints that could be submitted for testing, a maximum number of 25 paint samples per manufacturer was established. The specific quantity limits were three colors (white, lead based yellow, and organic yellow), three binder systems (alkyd, chlorinated rubber, and water base), three no-track times (60 seconds, 90 seconds, and 3 minutes), and no more than three samples made up of combinations of color, binder system, and no-track time.

Each manufacturer supplied one five-gallon container of each type of liquid marking material. The manufacturers were required to supply two one-quart and one one-pint samples of liquid materials and a 20-foot sample of tapes at the test site. These samples were used for laboratory testing. For the paint portion of the study, AASHTO Specification M-247, Type 1 moisture-proof glass beads were used and were supplied by the state. Type 1 beads were also used on thermoplastic. Primers/sealers were also used with some of the thermoplastic and tape materials.

In specific instances, a request could be made to use another glass bead for a specific marking material. Samples of any type of glass bead used were obtained. Following is a summary of the products applied with glass beads provided by the manufacturer rather than with the AASHTO Type I glass beads provided by the Alabama Highway Department. This would apply to paints and thermoplastic materials.

STR-93-14	Potters P-35
STR-93-15	Pre-beaded
STR-93-28	Type I bead with North Carolina gradation
STR-93-29	Type I bead with North Carolina gradation
STR-93-30	Type I bead with North Carolina gradation
STR-93-31	Type I bead with North Carolina gradation
STR-93-32	Type I bead with North Carolina gradation
STR-93-33	Type I bead with North Carolina gradation
STR-93-34	Type I bead with North Carolina gradation
STR-93-35	Type I bead with North Carolina gradation
STR-93-36	Type I bead with North Carolina gradation
STR-93-37	Type I bead with North Carolina gradation
STR-93-38	Type I bead with North Carolina gradation
STR-93-39	Type I bead with North Carolina gradation
STR-93-40	Type I bead with North Carolina gradation

STR-93-41	Type I bead with North Carolina gradation
STR-93-42	Ohio specification beads
STR-93-43	Ohio specification beads
STR-93-54	Pre-beaded
STR-93-58	Ohio specification beads
STR-93-59	Ohio specification beads
STR-93-61	Combination of large diameter beads and Type I beads
STR-93-70	Coarse M-247 bead
STR-93-71	Coarse M-247 bead
STR-93-72	Coarse M-247/Visibead
STR-93-73	Coarse M-247/Visibead
STR-93-74	Coarse M-247/Visibead
STR-93-84	Coarse M-247 bead
STR-93-85	Coarse M-247 bead
STR-93-112	Coarse M-247 bead
STR-93-113	Coarse M-247 bead
STR-94-74	Megalux beads
STR-94-75	Megalux beads
STR-94-76	Pre-beaded
STR-94-77	Pre-beaded
STR-94-78	Pre-beaded
STR-94-111	Potters P-35
STR-94-117	Echolux Type 1
STR-94-121	Echolux Type 1

With the exception of some of the removable tape lines, the test lines were transverse lines approximately 12 feet in length and 4 inches wide placed in the shoulder lane. The only exceptions were six longitudinal lane lines 10 feet in length which were placed for each removable tape. The transverse lines were placed at 8- to 12-inch centers.

For the liquid materials (including the thermoplastic material), four beaded lines were placed for each sample. For the preformed tape, four lines were placed for each sample. For removable tape, six transverse lines and six longitudinal lines were installed for each sample.

Liquid materials were applied at a wet film thickness of 15 plus or minus one mil. Glass beads were to be applied at a rate of six plus or minus 0.5 pound per gallon of paint, unless specifically designated otherwise. Manufacturers were responsible for machine calibration and roofing paper was supplied by the evaluators for calibration purposes. Each manufacturer notified the evaluators when they were ready to commence installation. An unbeaded check stripe was placed on an aluminum panel and weighed for determination of mil thickness. After the mil thickness met the

established guidelines, a beaded stripe was placed on the aluminum panel and weighed to check the bead application rate. After the bead application rate met the established guidelines, the test lines were applied. The mil thickness and bead application rate of each liquid sample were recorded (Table 3).

For the thermoplastic material, the manufacturer prepared the material and notified the evaluators when they were prepared to install the test lines. No pre-installation checks of thickness or bead application rate were conducted. The minimum mil thickness for thermoplastic material was to be 60 mils. The average mil thicknesses measured for the various installed thermoplastic materials are given in Table 4.

The preformed tapes (both removable and non-removable) were placed by the manufacturers at the locations indicated by the evaluators. Use of a primer was noted.

Following is a summary of the use of primers, sealers or adhesives for the thermoplastic materials, preformed thermoplastics, and tapes. A type of primer/sealer was used in applying the following products to the PCC test deck:

STR-93-17	STR-93-57	STR-94-42	STR-94-71	STR-94-117
STR-93-23	STR-93-58	STR-94-43	STR-94-72	STR-94-118
STR-93-24	STR-93-59	STR-94-44	STR-94-73	STR-94-119
STR-93-25	STR-93-60	STR-94-45	STR-94-74	STR-94-120
STR-93-26	STR-93-66	STR-94-46	STR-94-75	STR-94-121
STR-93-27	STR-93-67	STR-94-47	STR-94-76	
STR-93-44	STR-93-68	STR-94-48	STR-94-77	
STR-93-45	STR-93-69	STR-94-49	STR-94-78	
STR-93-46	STR-93-108	STR-94-51	STR-94-101	
STR-93-47	STR-93-109	STR-94-56	STR-94-102	
STR-93-48	STR-94-37	STR-94-57	STR-94-103	
STR-93-49	STR-94-38	STR-94-67	STR-94-104	
STR-93-54	STR-94-39	STR-94-68	STR-94-105	
STR-93-55	STR-94-40	STR-94-69	STR-94-106	
STR-93-56	STR-94-41	STR-94-70	STR-94-116	

A type of primer/sealer was used in applying the following products to the asphalt test deck.

STR-93-17	STR-93-26	STR-93-56	STR-94-56	STR-94-69
STR-93-23	STR-93-27	STR-93-57	STR-94-57	STR-94-70
STR-93-24	STR-93-48	STR-93-108	STR-94-67	
STR-93-25	STR-93-49	STR-93-109	STR-94-68	

Samples of each of the primers, sealers, and adhesives used were submitted to Louisiana for testing.

The test decks were divided into several sections. One portion of the test deck was used for checking no-track times. Unbeaded liquid materials were placed for checking no-track times. Another unbeaded line had previously been placed for liquid materials and thermoplastic material in another section. The procedure has been modified eliminating the unbeaded line. Therefore, no data are included relating to unbeaded lines. The beaded liquid material was placed in two other sections. Two sets of two lines each were placed for each material resulting in four beaded lines placed for each material. The same procedure was used for the thermoplastic material. Two sets of two lines each were also placed for the nonremovable preformed tape. Separating the four transverse lines into two sets of two lines each was done so that all the lines for one manufacturer would not be placed at one location. The removable tapes were placed in another section of the test deck. Six transverse and six longitudinal lines were placed for each material.

No-track tests were conducted for the liquid materials using the no-track time requested by the manufacturer. These tests were conducted prior to placement of the four beaded test lines. After the specified time, a vehicle was driven over the test line at a speed of approximately 10 mph. The no-track determination was judged at a distance of 50 feet. The results of the no-track tests are given in Table 5. The mil thickness at which each line was placed as well as the relative humidity and air temperature at the time of each no-track test are given in Table 5. The no-track times at which the tests were conducted for each paint are given. These no-track times should agree with the times given in Table 1. This time noted in Table 1 follows the FD code given for the paints for which no-track tests were conducted. For paints placed first in Kentucky in 1993 and then in Alabama in 1994, the no-track times may differ slightly in a few instances.

The air and pavement temperatures as well as the relative humidity were recorded hourly during times of installation. The application temperature was obtained for the liquid material at the time of the no-track time test. The weather conditions during the test stripe installations are shown in Table 6. The time that a given material was placed is given in Table 2 and can be related to the weather conditions at that time as noted in Table 6. No paint was applied to damp or wet pavement surfaces. The paint was also not applied at an air temperature below 50 degrees or above 95 degrees Fahrenheit.

FIELD DATA COLLECTION

The Field Testing Procedures are based on ASTM D 713, "Conducting Road Service Tests on Traffic Paint." Field data collection was initially made within a few

days of the original installation and then at monthly intervals for an approximate one-year period such that 12 sets of data were collected. The objective is to have the original data collection as soon as possible after application of the material. When possible, data were collected the day of application with all data collected within seven days of application.

The types of data which have been collected at the field installations in Alabama and Kentucky included subjective ratings of the appearance of all the stripes, subjective ratings of the durability of all the stripes (durability ratings of the removable tapes were taken starting with the 1994 installation), reflectivity measurements of each stripe using a Mirolux 12 portable retroreflectometer, and subjective ratings of the removability and discernability of the removable tapes. The measuring geometry for the Mirolux 12 consists of an illumination angle of 86.5 degrees and an observation angle of 1.5 degrees. As for the past evaluations in Kentucky, data concerning the brightness of each stripe were obtained using a colormeter. A Colorgard II Reflectometer was used for the colormeter data. The subjective ratings (durability, appearance, removability, and discernability) were made with a team of three trained raters for each data collection period. Their ratings were averaged resulting in the final score which was reported.

In addition to the monthly data collection for the materials placed on the 1994 test decks in Alabama, data were collected at four-month intervals for longer-life materials (permanent and nonremovable tapes, thermoplastics, and durable paints) on the 1993 test decks placed in Kentucky. Data were collected for 89 long-life materials placed on the 1993 test decks. The same type of data and same procedure were used for the data collection on both test decks.

The subjective appearance rating is the complete impression conveyed when the stripe is viewed at a distance of at least 10 feet before any detailed inspection has been made. It includes a comparison of the color of the surface under consideration with the original color, taking into account changes due to such factors as yellowing, bleeding, darkening, fading, dirt collection, and mold growth. This rating was made without preliminary washing or other modification of the surface of the test lines and a rating of 0 to 10 was made with 10 being the highest rating.

In addition to the subjective appearance rating, another check would be to compare those materials which were yellow in color to the PR-1 chart. This chart displays the desired color with a series of tolerance limits. The Federal Highway Administration Highway Yellow Color Tolerance Chart (PR color # 1) was used previously. The materials which did not meet the tolerance limits were noted. No field comparisons using the PR-1 chart were made on the 1994 Alabama test decks.

The subjective durability rating was obtained by rating both the left and right wheel paths in the transverse line and averaging the ratings. The area covering 9 inches on each side of the mid-point of the wheel path was viewed and the percentage of the stripe remaining (nonexposed substrate) was estimated. Ten percent of this number was the rating assigned. For example, a stripe with no wear would receive a rating of 10 while a stripe with 60 percent of the stripe remaining would receive a rating of a 6.

The Mirolux 12 measurements were taken in the left wheel path and centerline area (center of the lane) of each transverse stripe and in the center of each longitudinal stripe. Reference points were marked on the pavement so the data would be collected at the same points each month. Data were taken for the beaded paint and thermoplastic lines as well as for the various tapes. The Mirolux 12 measurements were reported in units of millicandelas per square foot per footcandle (or millicandelas).

The colormeter data were taken in the left wheel path and centerline area of each transverse stripe and in the center of each longitudinal stripe. Data were taken for the paint and thermoplastic lines as well as for the various tapes. The colormeter data are dimensionless with higher numbers representing a brighter line.

During each of the first six monthly inspections, one lateral and one transverse stripe of each removable tape were removed. After six months, all of the removable tape had been removed. The removability of each line was subjectively rated each month when it was removed using a scale of 0 to 10. A 10 rating would be for a tape which was easily removable in one complete section while a 0 rating was for a tape which was removable in only very small pieces.

The ability to discern on the pavement where the removable tape was removed was subjectively rated for each stripe until the point that a particular stripe was removed could not be discerned. A discernable marking is any marking, stain, or discoloration that can be detected on the pavement surface under any light or weather condition after line removal. A 10 rating was for a line which left no discernable markings while a 0 rating was for a line which was completely discernable.

Weather information over the evaluation period is given in Table 7. This information is summarized by month and includes the average temperature, total rainfall, and total snowfall. At the Kentucky test decks, there were 9.1 inches of snow reported during the winter of 1994-95. It was estimated that there were no more than 25 snowplow passes in the winter of 1994-95. There was no snow or snowplow passes on the Alabama test decks.

LABORATORY EVALUATIONS

There are certain standard tests which should be used to evaluate pavement marking materials. There are also some non-standard procedures which can prove to be valuable in assurance that materials procured by users are of the same quality as those on the test deck.

The evaluations were divided into four categories based on the material tested. These categories were solvent borne traffic paint, water borne traffic paint, thermoplastic material, and traffic striping tape.

Certain tests are used for any type of traffic paint. These include tests related to viscosity for consistency, drying time to determine no pick-up condition, solids content by volatile loss, opacity for hiding power, and pigment content by low temperature ashing for water borne paint and high speed centrifuge extraction for solvent borne paint. Vehicle quality assurance in solvent borne paint can be obtained by comparing infrared scans on the vehicle portion of the high speed centrifuge extraction. Three other tests relative to water-emulsion paints deal with stability and accelerated weathering. The water resistance is a standard test for a number of weather related failure characteristics. The stability tests are a means of determining the stability of water-emulsion paints to cycling of hot and cold applications. The tests used for paints include the following (refer to the SASHTO testing procedures when a specific ASTM or federal specification is not listed):

SOLVENT BORNE PAINT

TEST	ASTM OR FEDERAL SPEC.
Viscosity	D 562
No Track Dry Time	D 711
Total Solids	D 2369
Pigment Content	D 2371
Opacity	
Settling Properties	D 869
I.R. Scan on Vehicle	D 2621
Density (lbs./gal.)	D 1475
X-Ray Diffraction	Dried Film Scan

WATER BORNE PAINT

TEST	ASTM SPEC.
------	------------

No Track Dry Time	D 711
Total Solids	D 2369
Pigment Content	D 3723
Heat Stability	D 562
Freeze-Thaw Stability	D 562
Water Resistance	
Opacity	
Density (lbs./gal.)	D 1475
Settling Properties	D 869
X-Ray Diffraction	Dried Film Scan

Testing of the thermoplastic material is designed to evaluate the effects of continued and repeated heating of the material as well as its ability to withstand temperature changes and still retain its bond to the substrate to which it is applied. These tests for thermoplastic material included:

TEST	AASHTO TEST METHODS
Specific Gravity	T 250
Bond Strength	
Flowability	
Flowability (Extended Heating)	
Softening Point, Ring and Ball	
Low Temperature Stress Resistance	
Bead Content and Grading	

The preformed tapes were tested for internal strength to assure that, when warm, excessive elongations or distortion did not occur. The tests for preformed tapes included:

TEST	ASTM TEST METHOD
Tensile Strength	D 3759
Ultimate Elongation	D 3759
Retroreflectivity	D 4061
Whiteness Index	E 313
Adhesion	D 1000
Surface Friction	E 303
Wear Index	Fed. Test 141 & 6192.1

The laboratory tests were conducted on samples obtained during the installation process. In general, a sample of two quarts and one pint of paint was obtained for liquid materials. A block (weighing about 12 pounds) of thermoplastic material was

obtained after the material was melted. An approximate 20-foot section of preformed tape was obtained.

RESULTS

REFLECTIVITY DATA

The reflectivity data obtained with the Mirolux 12 are presented in Tables 8 and 9 for the asphalt and PCC pavements, respectively, at the Alabama test sites. The data are for all materials except the removable tapes. For each material, the averages of the data taken for the four transverse lines are given. The average measurements in the left wheel path and centerline areas are presented separately. The materials are grouped into several categories based on the type of material and no-track time.

Reflectivity data for long-life striping materials (thermoplastic, nonremovable tape and durable paint) transverse lines placed on the 1993 test deck in Kentucky are given in Appendix A. Data were obtained as described in Tables 8 and 9. Data are given in four-month intervals for the second year after installation. Data for the first year was contained in the previous report.

For the removable tapes, the reflectivity measurements taken on asphalt and PCC pavements are presented in Tables 10 and 11, respectively. Data are given for a time period up to six months after installation. After six months, all removable tapes had been removed. The data for each month represent the stripes remaining that month. The average measurements in the left wheel path and centerline areas of the transverse stripes and the center of the longitudinal stripes are presented separately.

DURABILITY

The durability data for the beaded paint and thermoplastic lines and nonremovable tape lines are given in Tables 12 and 13 for the asphalt and PCC pavements, respectively. For each material, the averages of the ratings of the three observes for the four transverse lines are given.

Durability data for long-life striping materials (thermoplastic, nonremovable tape, and durable paint) transverse lines placed on the 1993 test deck are given in Appendix A. Data are presented as described in Tables 12 and 13. Data are given in four-month intervals for the second year after installation. Data for the first year was given in the previous report.

Durability data for the removable tapes are given in Tables 14 and 15. Durability ratings were taken as for the other marking materials with notations made where there was no tape remaining to be rated.

APPEARANCE

The appearance data for the paint and thermoplastic lines and nonremovable tape are given in Tables 16 and 17 for the asphalt and PCC pavements, respectively. For each material, the averages of the ratings of the three evaluators for the four transverse lines are given.

Appearance data for the removable tape are given in Tables 18 and 19, respectively. The averages for the transverse and longitudinal tapes remaining for the given month are given as well as an overall average for all the data.

Appearance data for long-life striping materials (thermoplastic, nonremovable tape, and durable paint) transverse lines placed on the 1993 test deck in Kentucky are given in Appendix A. Data are presented as described in Tables 16 and 17. Data are given in four-month intervals for the second year after installation. Data for the first year was given in the previous report. In addition to the subjective appearance rating, those materials which are yellow in color were compared with the PR-1 chart. There were three long-life striping materials in the opinion of the observers (STR-92-38, STR-93-6, and STR-93-39) in which the yellow color was out of the range given on the PR-1 chart.

COLORMETER

Colormeter data for the paint and thermoplastic lines and nonremovable tape are given in Tables 20 and 21 for the asphalt and PCC pavements, respectively. For each material, the averages of the ratings for the transverse lines are given. Separate measurements are given for the wheel path and centerline areas.

Colormeter data for the removable tape lines on asphalt and PCC pavements are given in Tables 22 and 23, respectively. For each material, the average of the measurements in the left wheel path and centerline areas of the transverse stripes and the center of the longitudinal stripes are presented. The data for each month represent the stripes remaining that month.

REMOVABILITY

One transverse and one longitudinal removable stripe were removed each month for six months on both pavement types. The removability ratings are presented in Table 24 for the asphalt pavement and Table 25 for the PCC pavement. Ratings are from 0 to 10 with higher ratings for material which was easier to remove. The ratings for the transverse and longitudinal stripe removed each month are given with an average calculated for the ratings over the study period. Data are not given when the stripe that was to be removed in a given month was missing.

It has been found that the ability of the tapes to be removed was related to temperature with the tapes being harder to remove when the temperature was extremely cold. It was also easier to remove the longitudinal stripes compared to the transverse stripes. The major problem with removal of the transverse stripes was in the wheel paths.

DISCERNABILITY

The discernability of each removable tape stripe which had been removed was rated each month. The discernability ratings are presented in Table 26 for the asphalt pavement and Table 27 for the PCC pavement. The ratings were averaged separately for the transverse and longitudinal lines as a function of the length of time a given stripe had been removed. A 10 rating was for a line which left no discernable markings. Lower ratings show that evidence of the line remain. A zero rating indicates the line could not be removed. Ratings were taken for tape removed as part of the evaluation. Ratings were not taken for tape which lost adhesion and were not removed as part of the evaluation.

LABORATORY TESTS

A listing of the results of the laboratory tests is given in Volume II. The results for each material type are summarized, and the specific results of the tests for each material are listed.

TABLE 1. STRIPING MATERIALS TESTED (1993)

COMPANY	SAMPLE NUMBER	TYPE*
AExcel	STR-93-1	White Paint LF-ALP (FD 60)
	STR-93-2	Yellow Paint L-ALP (FD 60)
	STR-93-3	White Paint LF-A (FD 60)
	STR-93-4	Yellow Paint L-A (FD 60)
	STR-93-5	White Polyester Paint LF (120)
	STR-93-6	Yellow Polyester Paint LF (120)
	STR-93-7	Yellow Polyester Paint L (120)
	STR-93-8	Yellow Paint LF-ALP (FD 60)
Linear Dynamics	STR-93-9	LD-9301A White Paint LF-A (FD 60)**
	STR-93-10	LD-9301B Yellow Paint LF-A (FD 60)
	STR-93-11	LD-9301C Yellow Paint L-A (FD 60)**
	STR-93-12	LD-9301D White Paint LF-A (FD 60)
	STR-93-13	LD-9301E Yellow Paint L-A (FD 60)
	STR-93-14	LD-9301F White Paint LF-ALP (FD 60)
	STR-93-15	LD-9301G Yellow Paint L-ALP (FD 60)
	STR-93-16	Prismoline TRT Series U-210 White Tape R
	STR-93-17	Prismo Plastix Series A-3310 Yellow Tape P
	STR-93-18	Prismoline TRT Series U-210 Yellow Tape R
	STR-93-19	Prismoline TRT Series T-2512 Yellow Tape R
	STR-93-20	Prismoline TRT Series T-2512 White Tape R
	STR-93-21	Prismoline TRT Series T-2311 Yellow Tape R
	STR-93-22	Prismoline TRT Series U-571 Yellow Tape R
	STR-93-23	Prismo Plastix Series A-3340 White Tape P
	STR-93-24	Prismo Plastix Series A-1350 Yellow Tape P
	STR-93-25	Prismo Plastix Series A-4310 White Tape P
	STR-93-26	Prismo Plastix Series A-3320 White Tape P
	STR-93-27	Prismo Plastix Series A-4320 Yellow Tape P
Pave-Mark	STR-93-28	Y0E-4BX-AT Yellow Thermoplastic LF H
	STR-93-29	Y0E-4BX-AA Yellow Thermoplastic H
	STR-93-30	Y0D-7TX-90 Yellow Preformed Thermoplastic Tape
	STR-93-31	Y0D-8TX-90 Yellow Preformed Thermoplastic Tape
	STR-93-32	W20-4BT-GA White Thermoplastic H
	STR-93-33	Y2D-4BT-GA Yellow Thermoplastic H
	STR-93-34	Y0D-4BT-GA Yellow Thermoplastic LF H
	STR-93-35	W2D-5BX-AB White Thermoplastic A
	STR-93-36	Y2D-5BX-AB Yellow Thermoplastic A
	STR-93-37	W3D-8TX-90 White Preformed Thermoplastic Tape
	STR-93-38	W3D-7TX-90 White Preformed Thermoplastic Tape
	STR-93-39	Y0E-5BX-AA Yellow Thermoplastic LF A

TABLE 1. STRIPING MATERIALS TESTED (1993)

COMPANY	SAMPLE NUMBER	TYPE*
Pave-Mark (cont)	STR-93-40	Y0E-5BX-AT Yellow Thermoplastic LF A
	STR-93-41	AASHTO White Thermoplastic A
	STR-93-42	PT-260 Yellow Thermoplastic A
	STR-93-43	PT-260 White Thermoplastic A
Brite-Line	STR-93-44	White Thermoplastic H
	STR-93-45	Yellow Thermoplastic H
	STR-93-46	Yellow Thermoplastic A
	STR-93-47	White Thermoplastic A
	STR-93-48	Yellow Series 1000 Tape P
	STR-93-49	White Series 1000 Tape P
	STR-93-50	White Series 100 Tape R
	STR-93-51	Yellow Series 100 Tape R
	STR-93-52	White Series 200 Tape R
	STR-93-53	Yellow Series 200 Tape R
Flint Trading, Inc.	STR-93-54	Model R-30PBA White Preformed Thermoplastic H
	STR-93-55	Model R-20ST White Preformed Thermoplastic H
Swarco	STR-93-56	White Visa-Line Engineer Grade Tape T
	STR-93-57	Yellow Visa-Line Engineer Grade Tape LF T
	STR-93-58	White Thermoplastic A
	STR-93-59	Yellow Thermoplastic A
	STR-93-60	Yellow Thermoplastic LF H
Poly-Carb.	STR-93-61	Mark 55.7 Multipolymer System White
	STR-93-114	Mark 55.7 Multipolymer System Yellow
Flex-O-Lite	STR-93-62	FOL-400 Yellow Tape R
	STR-93-63	FOL-400 White Tape R
	STR-93-64	FOL-310 Yellow Tape LF T
Cataphote	STR-93-65	Yellow Paint MMP**
	STR-93-66	White Thermoplastic H
	STR-93-67	Yellow Thermoplastic H
	STR-93-68	Yellow Thermoplastic LF A
	STR-93-69	White Thermoplastic A

TABLE 1. STRIPING MATERIALS TESTED (1993)

COMPANY	SAMPLE NUMBER	TYPE
Baltimore Paint (Sherwin-Williams)	STR-93-70	BP-9107 White Polyester Paint (90)
	STR-93-71	BP-9108 Yellow Polyester Paint (120)
	STR-93-72	BP-9109 Yellow Polyester Paint LF (FD 60)
	STR-93-73	BP-9110 White Polyester Paint (120)
	STR-93-74	BP-9111 Yellow Polyester Paint (180)
	STR-93-75	BP-9113 White Paint LF-A (FD 60)
	STR-93-76	BP-9114 Yellow Paint L-A (FD 60)
	STR-93-77	BP-9115 White Paint LF-A (FD 60)
	STR-93-78	BP-9116 Yellow Paint L-A (FD 60)
	STR-93-79	BP-9117 White Paint LF-A (FD 60)
	STR-93-80	BP-9118 Yellow Paint L-A (FD 60)
	STR-93-81	BP-9119 White Paint LF-ALP (FD 60)
	STR-93-82	BP-9120 Yellow Paint L-ALP (FD 60)
	STR-93-83	BP-9121 Yellow Paint LF-ALP (FD 60)
	STR-93-84	BP-9122 White Paint LF-ALP (FD 60)
	STR-93-85	BP-9123 Yellow Paint L-ALP (FD 60)
	STR-93-86	BP-9124 Yellow Paint LF-ALP (FD 60)
	STR-93-87	BP-9125 White Paint LF-ALP (FD 60)
	STR-93-88	BP-9126 Yellow Paint LF-ALP (FD 60)
	STR-93-89	BP-9127 Yellow Paint LF-ALP (FD 60)
	STR-93-112	BP-6802 Yellow Paint L-A (FD 60)
	STR-93-113	BP-6801 White Paint LF-A (FD 60)
Safety Coatings	STR-93-90	LFY-207 Yellow Paint LF-ALP (FD 60)
	STR-93-91	AY-207 Yellow Paint L-ALP (FD 60)
	STR-93-92	AW-206 White Paint LF-ALP (FD 60)
	STR-93-93	LFY-77 Yellow Paint LF-A (FD 60)
	STR-93-94	TY-77 Yellow Paint L-A (FD 60)
	STR-93-95	TW-76 White Paint LF-A (FD 60)
Centerline Industries	STR-93-96	CL-3011 Yellow Paint LF-ALP (FD 60)
	STR-93-97	CL-3006 White Paint LF-ALP (FD 60)
	STR-93-98	CL-3003 Yellow L-A (FD 60)
	STR-93-99	CL-3002 White LF-A (FD 60)
	STR-93-100	CL-3001 Yellow L-A (FD 60)
	STR-93-101	CL-3000 White LF-A (FD 60)
	STR-93-102	CL-3009 Yellow LF-ALP (FD 60)
	STR-93-103	CL-3004 White LF-ALP (FD 60)
	STR-93-104	CL-3005 Yellow L-ALP (FD 60)
	STR-93-105	CL-3007 Yellow L-ALP (FD 60)

TABLE 1. STRIPING MATERIALS TESTED (1993)

COMPANY	SAMPLE NUMBER	TYPE*
3M	STR-93-106	Stamark Series A380 White Tape P
	STR-93-107	Stamark Series A380 Yellow Tape P
	STR-93-108	Stamark Series 440 White Tape P
	STR-93-109	Stamark Series A421 Yellow Tape P
	STR-93-110	Scotch-lane Series 611 Yellow Tape R
	STR-93-111	Scotch-lane Series 145 Black Tape R

TABLE 1. STRIPING MATERIALS TESTED (1994)

COMPANY	SAMPLE NUMBER	TYPE*
Baltimore Paint (Sherwin-Williams)	STR-94-1	BP-10101 White Paint LF-A (FD 60)
	STR-94-2	BP-10102 Yellow Paint L-A (FD 60)
	STR-94-3	BP-10103 White Paint LF-A (FD 60)
	STR-94-4	BP-10104 Yellow Paint L-A (FD 60)
	STR-94-5	BP-10105 White Paint LF-ALP (FD 60)
	STR-94-6	BP-10106 Yellow Paint L-ALP (FD 60)
	STR-94-7	BP-10107 Yellow Paint LF-ALP (FD 60)
	STR-94-8	BP-10108 White Paint LF-ALP (FD 60)
	STR-94-9	BP-10109 Yellow Paint L-ALP (FD 60)
	STR-94-10	BP-10110 Yellow Paint LF-ALP (FD 60)
	STR-94-11	BP-10111 Yellow Paint LF-ALP (FD 60)
	STR-94-12	BP-10112 White Paint LF-ALP (FD 60)
	STR-94-13	BP-10113 Yellow Paint L-ALP (FD 60)
	STR-94-14	BP-10114 Yellow Paint LF-ALP (FD 60)
	STR-94-15	BP-10115 White Paint LF-ALP (FD 60)
	STR-94-16	BP-10116 Yellow Paint L-ALP (FD 60)
	STR-94-17	BP-10117 Yellow Paint LF-ALP (FD 60)
	STR-94-18	BP-10118 White Paint LF-ALP (FD 60)**
	STR-94-19	BP-10119 Yellow Paint LF-ALP (FD 90)
	STR-94-20	BP-10120 Yellow Paint LF-ALP (FD 90)
	STR-94-21	BP-10121 White Paint LF-ALP (FD 60)
	STR-94-22	BP-10122 Yellow Paint LF-ALP (FD 60)
	STR-94-23	BP-10123 Yellow Paint LF-ALP (FD 60)
	STR-94-24	BP-10124 White Polyester Paint (FD 60)
	STR-94-25	BP-10125 Yellow Polyester Paint LF (FD 60)
Safety Coatings	STR-94-26	LFW-254 White Paint LF-ALP (FD 60)
	STR-94-27	LFY-255 Yellow Paint LF-ALP (FD 60)
	STR-94-28	LFW-260 White Paint LF-ALP (FD 60)
	STR-94-29	LFY-261 Yellow Paint LF-ALP (FD 60)
AExcel Corporation	STR-94-30	12Y-D299 Yellow Paint L-A (FD 60)
	STR-94-31	72W-A061 White Paint LF-ALP (FD 60)
	STR-94-32	72Y-A056 Yellow Paint LF-ALP (FD 60)
	STR-94-33	12W-D284 White Paint L-A (FD 60)
	STR-94-34	75Y-D024 Yellow BPO Polyester Paint LF
	STR-94-35	75Y-D023 Yellow BPO Polyester Paint L
	STR-94-36	75W-D020 White BPO Polyester Paint LF
Crown Technology, Inc.	STR-94-37	TuffLine White Thermoplastic H
	STR-94-38	TuffLine Yellow Thermoplastic H

TABLE 1. STRIPING MATERIALS TESTED (1994)

COMPANY	SAMPLE NUMBER	TYPE*
Crown Technology, Inc. (cont.)	STR-94-39	TuffLine White Thermoplastic A
	STR-94-40	TuffLine Yellow Thermoplastic A
	STR-94-41	EcoTherm Yellow Thermoplastic LF-H
	STR-94-42	EcoTherm Yellow Thermoplastic LF-A
	STR-94-43	KwikLine White Thermoplastic H
	STR-94-44	KwikLine Yellow Thermoplastic H
	STR-94-45	KwikLine White Thermoplastic A
	STR-94-46	KwikLine Yellow Thermoplastic A
	STR-94-47	KwikLine Safety Yellow Thermoplastic LF H
	STR-94-48	KwikLine Safety Yellow Thermoplastic LF A
Brite-Line Industries, Inc.	STR-94-49	Crystalite Yellow Thermoplastic H
	STR-94-50	Crystalite White Thermoplastic H**
	STR-94-51	Crystalite Yellow Thermoplastic A
	STR-94-52	Crystalite White Thermoplastic A**
	STR-94-53	LM 100 Liquid Methyl Methacrylate Yellow**
	STR-94-54	LM 100 Liquid Methyl Methacrylate White **
	STR-94-55	Raised Profile Wet Night Durable Tape Yellow**
	STR-94-56	Raised Profile Wet Night Durable Tape White
	STR-94-57	Intersection Grade Tape White
	STR-94-58	Temporary Foil Tape Yellow**
	STR-94-59	Temporary Foil Tape White**
	STR-94-60	Series 100 Removable Blackout Tape
	STR-94-61	Series 200 Wet Night Yellow Tape R**
	STR-94-62	Series 200 Wet Night White Tape R**
	STR-94-63	Series 100 Removable Tape Yellow**
	STR-94-64	Series 100 Removable Tape White**
Swarco Industries	STR-94-65	Director 2 Yellow Tape T
	STR-94-66	Director 2 White Tape T
	STR-94-67	Director Intersection Grade Yellow Tape P
	STR-94-68	Director Intersection Grade White Tape P
	STR-94-69	Director Yellow Tape P
	STR-94-70	Director White Tape P
	STR-94-71	Swarcotherm Yellow Thermoplastic LF A
	STR-94-72	Swarcotherm 30 Mil White Thermoplastic Spray H
	STR-94-73	Swarcotherm 30 Mil Yellow Thermoplastic Spray H
	STR-94-74	Swarcotherm White Thermoplastic A
	STR-94-75	Swarcotherm Yellow Thermoplastic A

TABLE 1. STRIPING MATERIALS TESTED (1994)

COMPANY	SAMPLE NUMBER	TYPE*
Flint Trading	STR-94-76	PREMARK Model R PBB-Y Preformed Tape Yellow
	STR-94-77	PREMARK Model R PBB Preformed Tape White
	STR-94-78	PREMARK Moon Performed Tape White
3M	STR-94-79	Scotch-Lane Series 620 White Tape R
	STR-94-80	Scotch-Lane Series 621 Yellow Tape R
Centerline Industries, Inc.	STR-94-81	CL-4112 White Polyester Paint LF
	STR-94-82	CL-4111 Yellow Paint LF-ALP (FD 60)
	STR-94-83	CL-4103 Yellow Paint L-A (FD 60)
	STR-94-84	CL-4109 Yellow Paint LF-ALP (FD 60)
	STR-94-85	CL-4101 Yellow Paint L-A (FD 60)
	STR-94-86	CL-4107 Yellow Paint L-ALP (FD 60)
	STR-94-87	CL-4102 White Paint LF-A (FD 60)
	STR-94-88	CL-4104 White Paint LF-ALP (FD 60)
	STR-94-89	CL-4113 Yellow Polyester Paint
	STR-94-90	CL-4115 Yellow Polyester Paint LF
	STR-94-91	CL-4105 Yellow Paint L-ALP (FD 60)
	STR-94-92	CL-4106 White Paint LF-ALP (FD 60)
	STR-94-93	CL-4100 White Paint LF-A (FD 60)
MB Company, Inc.	STR-94-94	AL-1001-01 Al. Spec. White Paint LF-ALP (FD 60)
	STR-94-95	TN-0301-01 Tn. Spec. White Paint LF-A (FD 90)
	STR-94-96	TN-0302-01 Tn. Spec. Yellow Paint L-A (FD 60)
	STR-94-97	AL-1002-01 Al. Spec. Yellow Paint L-ALP (FD 60)
	STR-94-98	VA-1003-01 Va. Spec. Yellow Paint LF-ALP (FD 60)
	STR-94-99	AL-0231-01 Al. Spec. White Paint LF-A (FD 60)
	STR-94-100	AL-0232-01 Al. Spec. Yellow Paint L-A (FD 90)
Linear Dynamics, Inc.	STR-94-101	YALNC LD-9381B Yellow Thermoplastic A
	STR-94-102	WALNC LD-9381A White Thermoplastic A
	STR-94-103	LD-9402D Yellow Thermoplastic LF-A
	STR-94-104	LD-9402C Yellow Thermoplastic LF-A
	STR-94-105	LD-9402B Yellow Thermoplastic LF-A
	STR-94-106	LD-9402A White Thermoplastic H
	STR-94-107	LD-9401A Niteline White Paint LF-ALP (FD 60)
	STR-94-108	LD-9401B Niteline Yellow Paint LF-ALP (FD 60)
	STR-94-109	LD-9401C Niteline Yellow Paint LF-ALP (FD 60)
	STR-94-110	LD-9401D Niteline Yellow Paint LF-ALP (FD 60)
	STR-94-111	LD-9401E Niteline Yellow Paint LF-ALP (FD 60)

TABLE 1. STRIPING MATERIALS TESTED (1994)

COMPANY	SAMPLE NUMBER	TYPE*
Technical Coatings Corp.	STR-94-112	TCC High Solids Yellow Paint LF-A (FD 60)
	STR-94-113	TCC High Solids White Paint LF-A (FD 60)
	STR-94-114	TCC White Paint LF-ALP (FD 60)
	STR-94-115	TCC Yellow Paint LF-ALP (FD 60)
Catepote, Inc.	STR-94-116	Catatherm Yellow Thermoplastic LF H
	STR-94-117	Thermo-Quik 701 Yellow Thermoplastic LF H
	STR-94-118	Catatherm Yellow Thermoplastic LF A
	STR-94-119	Catatherm-Skid Resistant Yellow Thermoplastic LF A
	STR-94-120	Catatherm-Skid Resistant White Thermoplastic A
	STR-94-121	Thermo-Quik 701 White Thermoplastic H
Douglas Chemical Co.	STR-94-122	41694-4 Yellow Paint L-ALP (FD 60)
	STR-94-123	41694-2 White Paint LF-ALP (FD 60)
	STR-94-124	41694-1 White Paint LF-ALP (FD 60)
	STR-94-125	41694-3 Yellow Paint L-ALP (FD 60)

- * L - Lead
 LF - Lead Free
 A - Alkyd
 ALP - Acrylic Latex Polymer (Water Based)
 FD - Fast Dry (Number in parenthesis gives times, in seconds, for no-track test)
 H - Hydrocarbon
 P - Permanent
 R - Removable
 PM - Polymethyl methacrylate
 T - Temporary Marking Tape
 MMP - Methyl Methacrylate Polymer

** Not applied in Alabama in 1993.

TABLE 2. TEST STRIPE INSTALLATION INFORMATION (ALABAMA)

SAMPLE NUMBER	ASPHALT DECK		CONCRETE DECK		SAMPLE NUMBER	ASPHALT DECK		CONCRETE DECK	
	DATE	TIME	DATE	TIME		DATE	TIME	DATE	TIME
STR-93-1	5/2/94	1:56p	5/5/94	9:15a	STR-93-58	4/27/94	10:11a	4/26/94	11:40a
STR-93-2	5/4/94	10:47a	5/5/94	9:57a	STR-93-59	4/27/94	11:54a	4/28/94	12:02p
STR-93-3	5/4/94	10:29a	5/5/94	11:48a	STR-93-60	4/29/94	10:00a	4/28/94	2:04p
STR-93-4	5/2/94	12:11p	5/5/94	12:50p	STR-93-61	4/28/94	10:25a	4/28/94	3:45p
STR-93-5	5/2/94	12:37p	5/5/94	11:00a	STR-93-62	4/28/94	11:10a	4/28/94	9:15a
STR-93-6	5/4/94	9:55a	5/5/94	11:20a	STR-93-63	4/28/94	11:20	4/28/94	9:10a
STR-93-7	5/4/94	11:41a	5/5/94	12:45a	STR-93-64	4/28/94	11:00a	4/28/94	9:00a
STR-93-8	5/4/94	11:23a	5/5/94	10:40a	STR-93-65	*	*	*	*
STR-93-9	*	*	*	*	STR-93-66	4/26/94	12:36p	4/27/94	9:25a
STR-93-10	5/4/94	10:12a	5/6/94	11:36a	STR-93-67	4/26/94	2:38p	4/27/94	9:30a
STR-93-11	*	*	*	*	STR-93-68	4/26/94	2:04p	4/27/94	12:15p
STR-93-12	5/2/94	2:43p	5/6/94	12:30p	STR-93-69	4/26/94	10:34a	4/27/94	11:40a
STR-93-13	5/4/94	11:20a	5/6/94	11:03a	STR-93-70	4/26/94	3:04p	5/5/94	11:19a
STR-93-14	5/4/94	12:58p	5/6/94	9:20a	STR-93-71	4/27/94	3:15p	5/5/94	4:20p
STR-93-15	5/4/94	1:30p	5/6/94	8:47a	STR-93-72	4/27/94	1:30p	5/5/94	3:20p
STR-93-16	5/5/94	12:10	5/5/94	10:30a	STR-93-73	4/27/94	9:57a	5/5/94	12:48p
STR-93-17	5/2/94	9:17a	5/5/94	9:20a	STR-93-74	4/27/94	2:25p	5/5/94	3:53p
STR-93-18	5/5/94	12:16p	5/5/94	10:35a	STR-93-75	4/26/94	3:26p	5/4/94	10:00a
STR-93-19	5/5/94	12:22p	5/5/94	10:40a	STR-93-76	4/27/94	2:15p	5/4/94	9:50a
STR-93-20	5/5/94	12:28p	5/5/94	10:45a	STR-93-77	4/27/94	11:02a	5/2/94	12:06p
STR-93-21	5/5/94	12:34p	5/5/94	10:50a	STR-93-78	4/27/94	3:02p	5/4/94	10:50a
STR-93-22	5/5/94	12:40p	5/5/94	11:00a	STR-93-79	4/27/94	9:57a	5/2/94	1:31p
STR-93-23	5/2/94	9:05a	5/5/94	8:45a	STR-93-80	4/27/94	3:43p	5/4/94	11:25a
STR-93-24	5/2/94	9:00a	5/5/94	8:50a	STR-93-81	4/28/94	9:46a	5/4/94	1:15p
STR-93-25	5/2/94	9:24a	5/5/94	8:55a	STR-93-82	4/28/94	3:03p	5/2/94	1:30p
STR-93-26	5/2/94	9:14a	5/5/94	9:30a	STR-93-83	4/29/94	10:06a	5/2/94	12:25p
STR-93-27	5/2/94	9:28a	5/5/94	9:45a	STR-93-84	4/28/94	2:22p	5/5/94	9:25a
STR-93-28	4/27/94	10:06a	4/29/94	11:00a	STR-93-85	5/6/94	9:32a	5/4/94	9:15a
STR-93-29	4/26/94	1:07p	4/28/94	2:25p	STR-93-86	5/6/94	10:53a	5/4/94	10:33a
STR-93-30	4/29/94	12:36p	4/29/94	11:20a	STR-93-87	4/28/94	11:20a	5/4/94	2:19p
STR-93-31	4/27/94	1:45p	4/28/94	11:25a	STR-93-88	4/29/94	10:37a	5/2/94	12:55p
STR-93-32	4/26/94	1:38p	4/29/94	9:35a	STR-93-89	4/29/94	11:04a	5/2/94	1:46p
STR-93-33	4/26/94	2:10p	4/29/94	9:55	STR-93-90	5/4/94	12:23p	5/2/94	1:10p
STR-93-34	4/26/94	2:50p	4/29/94	10:30a	STR-93-91	5/4/94	12:01p	5/2/94	12:38p
STR-93-35	4/26/94	11:40a	4/28/94	1:55p	STR-93-92	5/4/94	10:47a	5/2/94	1:28p
STR-93-36	4/26/94	10:57a	4/28/94	1:15p	STR-93-93	5/4/94	9:54a	5/2/94	12:35p
STR-93-37	4/27/94	2:12p	4/28/94	12:00p	STR-93-94	5/4/94	9:27a	5/2/94	9:48a
STR-93-38	4/27/94	2:00p	4/29/94	12:15p	STR-93-95	5/4/94	9:06a	5/2/94	9:30a
STR-93-39	4/27/94	11:07a	4/29/94	11:40a	STR-93-96	4/27/94	9:59a	5/2/94	11:50a
STR-93-40	5/5/94	10:44a	5/5/94	10:00a	STR-93-97	4/26/94	10:53a	5/2/94	9:40a
STR-93-41	4/26/94	12:28p	4/28/94	12:05p	STR-93-98	4/28/94	9:48a	5/4/94	11:20a
STR-93-42	4/27/94	2:45p	4/28/94	12:55p	STR-93-99	4/27/94	1:08p	5/4/94	9:30a
STR-93-43	4/27/94	2:27p	4/28/94	10:51a	STR-93-100	4/27/94	10:20a	5/4/94	11:50a
STR-93-44	4/27/94	10:46a	4/26/94	1:23p	STR-93-101	4/27/94	1:40p	5/4/94	9:45a
STR-93-45	4/27/94	12:22p	4/26/94	1:30p	STR-93-102	4/27/94	10:31a	5/2/94	12:13p
STR-93-46	4/27/94	1:24p	4/26/94	10:20a	STR-93-103	4/26/94	11:32a	5/2/94	10:15a
STR-93-47	4/27/94	9:36a	4/26/94	2:10p	STR-93-104	4/26/94	1:47p	5/2/94	1:40p
STR-93-48	4/27/94	9:16a	4/26/94	11:00a	STR-93-105	4/26/94	2:30p	5/2/94	2:01p
STR-93-49	4/27/94	9:14a	4/26/94	11:10a	STR-93-106	4/28/94	9:24a	4/27/94	10:05a
STR-93-50	4/27/94	11:10a	4/26/94	12:15p	STR-93-107	4/28/94	9:26a	4/27/94	10:10a
STR-93-51	4/27/94	11:20a	4/26/94	12:30p	STR-93-108	4/28/94	9:28a	4/27/94	10:35a
STR-93-52	4/27/94	11:30a	4/26/94	1:40p	STR-93-109	4/28/94	9:30a	4/27/94	10:40a
STR-93-53	4/27/94	11:45a	4/26/94	2:30p	STR-93-110	4/28/94	10:40a	4/27/94	11:50a
STR-93-54	4/28/94	9:15a	4/28/94	12:05p	STR-93-111	4/28/94	11:00a	4/27/94	12:20p
STR-93-55	4/28/94	8:45a	4/28/94	1:50p	STR-93-112	4/27/94	12:18p	5/2/94	2:15p
STR-93-56	4/28/94	9:22a	4/26/94	10:20a	STR-93-113	4/27/94	1:13p	5/2/94	2:50p
STR-93-57	4/27/94	9:20a	4/26/94	10:25a	STR-93-114	4/28/94	11:14a	4/28/94	3:50p

* Not applied.

TABLE 2. TEST STRIPE INSTALLATION INFORMATION (ALABAMA)

SAMPLE NUMBER	ASPHALT DECK		CONCRETE DECK		SAMPLE NUMBER	ASPHALT DECK		CONCRETE DECK	
	DATE	TIME	DATE	TIME		DATE	TIME	DATE	TIME
STR-94-1	4/26/94	1:45p	5/2/94	10:20a	STR-94-64	.	.	.	.
STR-94-2	4/28/94	10:00a	5/4/94	9:10a	STR-94-65	4/27/94	12:15p	4/26/94	2:00p
STR-94-3	4/26/94	2:30p	5/2/94	11:30a	STR-94-66	4/27/94	12:25p	4/26/94	2:15p
STR-94-4	4/28/94	10:46a	5/4/94	9:20a	STR-94-67	4/27/94	9:49a	4/26/94	11:40a
STR-94-5	5/6/94	8:55a	5/5/94	9:50a	STR-94-68	4/27/94	10:15a	4/26/94	11:50a
STR-94-6	5/6/94	10:12	5/4/94	9:55a	STR-94-69	4/27/94	9:38a	4/26/94	11:00a
STR-94-7	5/6/94	11:19a	5/4/94	11:05a	STR-94-70	4/27/94	9:42a	4/26/94	11:20a
STR-94-8	4/28/94	1:33p	5/4/94	1:49p	STR-94-71	4/27/94	12:55p	4/28/94	11:05a
STR-94-9	4/28/94	2:24p	5/4/94	10:39a	STR-94-72	4/26/94	2:00p	4/26/94	12:00p
STR-94-10	4/28/94	3:36p	5/2/94	11:35a	STR-94-73	4/27/94	11:15a	4/27/94	1:00p
STR-94-11	4/29/94	9:28	5/2/94	12:00p	STR-94-74	4/26/94	2:20p	4/26/94	12:30p
STR-94-12	4/28/94	10:34a	5/5/94	8:30a	STR-94-75	4/27/94	1:53p	4/28/94	10:00a
STR-94-13	4/29/94	11:30a	5/2/94	2:20p	STR-94-76	4/27/94	9:12a	4/28/94	12:08p
STR-94-14	4/29/94	11:56a	5/2/94	2:52p	STR-94-77	4/28/94	9:10a	4/28/94	12:15p
STR-94-15	4/28/94	12:02p	5/4/94	3:00p	STR-94-78	4/28/94	9:07a	4/28/94	12:25p
STR-94-16	4/29/94	12:40p	5/2/94	9:20a	STR-94-79	4/28/94	10:50a	4/27/94	12:03p
STR-94-17	5/6/94	11:44a	5/2/94	9:45a	STR-94-80	4/28/94	10:30a	4/27/94	11:30a
STR-94-18	.	.	.	.	STR-94-81	4/28/94	1:53p	5/5/94	8:30a
STR-94-19	5/6/94	9:09a	5/4/94	12:55p	STR-94-82	4/27/94	11:15a	5/2/94	12:43p
STR-94-20	5/6/94	9:52a	5/5/94	9:10a	STR-94-83	4/28/94	10:51a	5/4/94	12:15p
STR-94-21	4/28/94	12:44p	5/4/94	3:36p	STR-94-84	4/27/94	11:52a	5/2/94	1:10p
STR-94-22	4/29/94	12:19p	5/4/94	8:47a	STR-94-85	4/28/94	11:27a	5/4/94	12:45p
STR-94-23	5/6/94	12:10p	5/2/94	10:05a	STR-94-86	4/26/94	3:10p	5/2/94	2:25p
STR-94-24	4/27/94	11:12a	5/5/94	2:45p	STR-94-87	4/27/94	2:19p	5/4/94	10:23
STR-94-25	4/27/94	12:30p	5/5/94	3:00p	STR-94-88	4/26/94	12:13p	5/2/94	10:50a
STR-94-26	5/4/94	11:06a	5/2/94	11:50a	STR-94-89	4/29/94	10:22a	5/4/94	3:00p
STR-94-27	5/4/94	12:45p	5/2/94	1:40p	STR-94-90	4/29/94	10:25a	5/4/94	2:03p
STR-94-28	5/4/94	11:38a	5/2/94	12:10p	STR-94-91	4/26/94	3:41p	5/2/94	2:50p
STR-94-29	5/4/94	12:58p	5/2/94	2:04p	STR-94-92	4/26/94	12:56p	5/2/94	11:18a
STR-94-30	5/2/94	12:50p	5/5/94	1:15p	STR-94-93	4/27/94	2:51p	5/4/94	10:45a
STR-94-31	5/2/94	2:43p	5/5/94	9:30a	STR-94-94	5/2/94	3:31p	5/4/94	2:07p
STR-94-32	5/4/94	10:16a	5/5/94	10:18a	STR-94-95	5/2/94	11:00a	5/4/94	11:12a
STR-94-33	5/2/94	11:07a	5/5/94	12:20p	STR-94-96	5/2/94	1:32p	5/4/94	12:00p
STR-94-34	5/2/94	3:03p	5/5/94	10:45a	STR-94-97	5/2/94	2:16p	5/4/94	1:00p
STR-94-35	5/4/94	10:50a	5/5/94	12:15p	STR-94-98	5/2/94	3:04p	5/4/94	1:30p
STR-94-36	5/2/94	1:51p	5/5/94	10:50a	STR-94-99	5/2/94	12:02p	5/4/94	11:37a
STR-94-37	5/2/94	9:25a	4/26/94	11:00a	STR-94-100	5/2/94	12:46p	5/4/94	12:30p
STR-94-38	4/29/94	10:19a	4/27/94	12:00p	STR-94-101	5/6/94	1:01p	5/9/94	12:30p
STR-94-39	5/2/94	10:15a	4/26/94	12:00p	STR-94-102	5/6/94	9:54a	5/9/94	9:30a
STR-94-40	4/29/94	12:11a	4/27/94	1:40p	STR-94-103	5/6/94	12:00p	5/9/94	11:00a
STR-94-41	4/28/94	3:38p	4/27/94	12:30p	STR-94-104	5/6/94	2:13p	5/9/94	10:30a
STR-94-42	4/28/94	2:34p	4/27/94	10:20a	STR-94-105	5/6/94	2:55p	5/9/94	12:00p
STR-94-43	5/2/94	12:18p	5/5/94	10:56a	STR-94-106	5/5/94	2:50p	5/9/94	10:00a
STR-94-44	5/6/94	10:00a	5/5/94	2:25p	STR-94-107	5/4/94	12:21p	5/6/94	9:57a
STR-94-45	5/2/94	11:20a	5/5/94	11:45a	STR-94-108	5/4/94	3:00p	5/5/94	3:30p
STR-94-46	5/2/94	2:51p	5/5/94	3:25p	STR-94-109	5/4/94	3:20p	5/5/94	3:50p
STR-94-47	5/2/94	1:10p	5/4/94	11:00a	STR-94-110	5/4/94	3:37p	5/5/94	3:15p
STR-94-48	5/2/94	2:00p	5/5/94	12:52p	STR-94-111	5/4/94	2:33p	5/5/94	4:15p
STR-94-49	4/28/94	2:16p	4/29/94	9:17a	STR-94-112	5/2/94	2:36p	5/5/94	2:40p
STR-94-50	.	.	.	.	STR-94-113	5/2/94	1:20p	5/5/94	1:35p
STR-94-51	4/27/94	2:15p	4/29/94	8:30a	STR-94-114	5/2/94	11:31a	5/4/94	1:42p
STR-94-52	.	.	.	.	STR-94-115	5/4/94	10:30a	5/4/94	12:35p
STR-94-53	.	.	.	.	STR-94-116	4/26/94	12:38p	4/27/94	10:10a
STR-94-54	.	.	.	.	STR-94-117	4/27/94	3:36p	4/27/94	2:37p
STR-94-55	.	.	.	.	STR-94-118	4/26/94	10:32a	4/27/94	12:30p
STR-94-56	5/5/94	2:00p	5/5/94	10:15a	STR-94-119	4/26/94	11:33a	4/27/94	11:05a
STR-94-57	5/5/94	1:45p	5/5/94	10:00a	STR-94-120	4/26/94	11:35a	4/27/94	10:40a
STR-94-58	.	.	.	.	STR-94-121	4/28/94	11:31a	4/27/94	1:00p
STR-94-59	.	.	.	.	STR-94-122	5/5/94	1:33p	5/5/94	11:15a
STR-94-60	4/28/94	11:30a	4/26/94	3:00p	STR-94-123	5/5/94	3:06p	5/4/94	1:20p
STR-94-61	.	.	.	.	STR-94-124	5/5/94	3:36p	5/5/94	9:15a
STR-94-62	.	.	.	.	STR-94-125	5/5/94	2:18p	5/5/94	9:57a
STR-94-63	.	.	.	.	

*Not applied.

TABLE 3.

SAMPLE
NUMBER

STR-93-1

STR-93-2

STR-93-3

STR-93-4

STR-93-5

STR-93-6

STR-93-7

STR-93-8

STR-93-9

STR-93-10

STR-93-11

STR-93-12

STR-93-13

STR-93-14

STR-93-15

STR-93-16

STR-93-17

STR-93-18

STR-93-19

STR-93-20

STR-93-21

STR-93-22

STR-93-23

STR-93-24

STR-93-25

STR-93-26

STR-93-27

STR-93-28

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STR-93-30

STR-93-31

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STR-93-34

STR-93-35

STR-93-36

STR-93-37

STR-93-38

STR-93-39

STR-93-40

STR-93-41

STR-93-42

STR-93-43

STR-93-44

STR-93-45

STR-93-46

STR-93-47

STR-93-48

STR-93-49

STR-93-50

STR-93-51

STR-93-52

STR-93-53

STR-93-54

STR-93-55

STR-93-56

STR-93-57

* Not a

TABLE 3. TRAFFIC PAINT THICKNESS AND BEAD APPLICATION RATE (ALABAMA)

SAMPLE NUMBER	THICKNESS (MILS)		BEAD APPLICATION (LBS/GAL)		SAMPLE NUMBER	THICKNESS (MILS)		BEAD APPLICATION (LBS/GAL)	
	ASPHALT	CONCRETE	ASPHALT	CONCRETE		ASPHALT	CONCRETE	ASPHALT	CONCRETE
STR-93-1	16.0	14.0	6.5	6.5	STR-93-104	14.5	15.0	6.0	6.0
STR-93-2	15.0	15.0	6.5	6.5	STR-93-105	14.0	15.0	6.0	5.5
STR-93-3	15.0	16.0	5.5	6.0	STR-93-112	15.0	14.0	6.0	6.5
STR-93-4	15.5	14.0	6.5	6.0	STR-93-113	14.0	15.0	6.0	6.0
STR-93-5	15.5	15.0	14.5	15.5	STR-94-1	15.0	14.0	6.5	5.5
STR-93-6	14.0	14.0	14.5	15.5	STR-94-2	14.0	14.0	6.5	6.0
STR-93-7	14.0	16.0	15.5	14.5	STR-94-3	14.0	14.0	6.5	6.0
STR-93-8	15.0	15.5	6.0	6.0	STR-94-4	14.0	14.0	6.0	5.5
STR-93-9	*	*	*	*	STR-94-5	14.0	14.5	6.0	5.5
STR-93-10	16.0	16.0	6.5	6.5	STR-94-6	15.0	14.0	6.5	6.0
STR-93-11	*	*	*	*	STR-94-7	14.5	14.0	5.5	6.5
STR-93-12	15.5	14.0	5.5	6.5	STR-94-8	14.5	14.0	6.5	5.5
STR-93-13	15.0	14.0	6.5	6.0	STR-94-9	15.0	14.0	5.0	5.5
STR-91-14	15.5	16.0	8.0	8.0	STR-94-10	14.5	14.0	6.0	6.5
STR-93-15	15.0	14.5	8.5	8.0	STR-94-11	14.0	14.0	6.5	5.5
STR-93-70	14.0	15.0	17.5	17.5	STR-94-12	14.5	14.5	6.0	5.5
STR-93-71	15.0	15.0	18.5	17.5	STR-94-13	14.5	14.0	6.5	6.5
STR-93-72	15.0	15.0	15.5	15.0	STR-94-14	14.0	14.5	6.5	5.5
STR-93-73	15.0	16.0	15.0	15.5	STR-94-15	14.5	14.0	6.5	6.0
STR-93-74	15.5	14.0	14.5	15.5	STR-94-16	14.5	14.0	5.5	7.5
STR-93-75	14.5	14.0	6.5	6.0	STR-94-17	15.0	15.0	6.5	6.5
STR-93-76	15.0	14.0	6.5	6.0	STR-94-18	*	*	*	*
STR-93-77	14.5	14.0	6.5	5.5	STR-94-19	14.0	14.0	6.0	6.5
STR-93-78	14.5	14.0	6.0	6.0	STR-94-20	15.0	15.0	6.0	6.0
STR-93-79	14.5	14.0	6.0	6.0	STR-94-21	14.5	15.0	6.0	6.0
STR-93-80	15.0	14.5	6.0	6.0	STR-94-22	14.0	15.0	6.0	6.0
STR-93-81	15.0	14.0	6.0	6.0	STR-94-23	14.5	14.0	6.5	6.5
STR-93-82	14.0	14.0	5.5	6.0	STR-94-24	15.5	14.0	16.5	15.5
STR-91-83	14.0	15.0	6.0	6.0	STR-94-25	15.0	14.0	14.0	5.5
STR-93-84	15.5	14.0	5.5	5.5	STR-94-26	14.5	14.0	6.5	6.0
STR-93-85	14.0	14.0	6.0	6.0	STR-94-27	16.0	14.0	6.0	6.0
STR-93-86	14.0	14.0	6.0	6.5	STR-94-28	15.0	15.0	6.5	6.0
STR-93-87	14.0	14.0	5.5	6.5	STR-94-29	16.0	14.5	6.0	6.0
STR-93-88	14.0	14.0	6.0	6.5	STR-94-30	14.0	15.5	6.0	5.5
STR-93-89	14.0	14.0	6.0	6.0	STR-94-31	15.5	14.0	6.5	6.0
STR-93-90	15.0	14.0	6.5	6.5	STR-94-32	14.5	14.0	6.5	6.0
STR-93-91	15.0	15.0	6.0	6.5	STR-94-33	14.5	14.0	6.0	6.0
STR-93-92	15.0	14.0	5.5	6.0	STR-94-34	14.5	14.0	14.5	14.5
STR-93-93	15.5	14.5	4.5	5.0	STR-94-35	15.0	14.5	15.5	14.5
STR-93-94	14.0	15.0	6.5	6.0	STR-94-36	15.0	15.0	15.5	15.0
STR-93-95	15.0	14.0	6.0	6.0	STR-94-53	*	*	*	*
STR-93-96	16.0	14.0	6.5	6.5	STR-94-54	*	*	*	*
STR-93-97	16.0	16.0	5.5	6.0	STR-94-81	15.0	16.0	8.0	8.5
STR-93-98	14.5	16.0	6.0	6.0	STR-94-82	15.5	15.5	6.5	6.0
STR-93-99	14.0	16.0	6.0	5.5	STR-94-83	14.0	15.0	5.5	6.5
STR-93-100	15.0	14.5	6.5	5.5	STR-94-84	15.0	15.0	6.5	6.0
STR-93-101	14.0	14.5	6.5	6.0	STR-94-85	14.5	15.5	6.0	6.0
STR-93-102	14.5	14.0	6.0	6.0	STR-94-86	15.0	15.0	6.0	6.5
STR-93-103	15.0	14.0	5.5	5.5	STR-94-87	14.0	14.5	5.5	6.5

* Not applied.

TABLE 3. TRAFFIC PAINT THICKNESS AND BEAD APPLICATION RATE (ALABAMA) (continued)

SAMPLE NUMBER	THICKNESS (MILS)		BEAD APPLICATION (LBS/GAL)		SAMPLE NUMBER	THICKNESS (MILS)		BEAD APPLICATION (LBS/GAL)	
	ASPHALT	CONCRETE	ASPHALT	CONCRETE		ASPHALT	CONCRETE	ASPHALT	CONCRETE
STR-94-88	14.5	15.0	5.5	6.0	STR-94-107	15.5	15.0	6.0	5.5
STR-94-89	16.0	15.5	7.5	7.5	STR-94-108	15.0	16.0	6.0	5.5
STR-94-90	15.0	14.5	8.0	8.0	STR-94-109	15.5	14.5	7.5	7.0
STR-94-91	15.5	15.0	6.5	6.0	STR-94-110	15.5	16.0	6.5	6.0
STR-94-92	15.5	14.0	6.0	5.5	STR-94-111	15.5	15.0	8.0	8.0
STR-94-93	14.5	15.0	5.5	6.5	STR-94-112	9.5	16.0	6.5	6.0
STR-94-94	15.5	15.0	6.0	5.5	STR-94-113	10.5	15.5	6.0	6.5
STR-94-95	15.0	15.5	5.5	5.5	STR-94-114	15.0	14.5	6.5	5.5
STR-94-96	14.0	15.0	5.5	5.5	STR-94-115	14.0	15.5	6.0	6.0
STR-94-97	14.0	15.0	5.5	6.0	STR-94-122	14.0	15.5	6.5	6.0
STR-94-98	14.5	16.0	5.5	6.5	STR-94-123	15.5	14.5	5.5	6.5
STR-94-99	14.5	15.5	6.0	5.5	STR-94-124	14.0	16.0	6.5	5.5
STR-94-100	14.5	14.5	6.0	6.0	STR-94-125	14.0	14.0	6.5	6.5

TABLE 4. AVERAGE THERMOPLASTIC THICKNESS (MILS) (ALABAMA 1994)

SAMPLE NUMBER	CONCRETE	ASPHALT	SAMPLE NUMBER	CONCRETE	ASPHALT
STR-93-28	93	77	STR-94-41	97	92
STR-93-29	80	115	STR-94-42	64	65
STR-93-32	26	55	STR-94-43	68	55
STR-93-33	27	37	STR-94-44	47	55
STR-93-34	35	35	STR-94-45	55	33
STR-93-35	104	97	STR-94-46	55	50
STR-93-36	90	93	STR-94-47	55	48
STR-93-39	103	70	STR-94-48	43	43
STR-93-40	80	70	STR-94-49	78	75
STR-93-41	97	92	STR-94-50	*	*
STR-93-42	83	95	STR-94-51	85	83
STR-93-43	112	93	STR-94-52	*	*
STR-93-44	93	75	STR-94-71	90	95
STR-93-45	70	75	STR-94-72	28	60
STR-93-46	50	65	STR-94-73	73	57
STR-93-47	65	60	STR-94-74	57	83
STR-93-58	60	77	STR-94-75	79	75
STR-93-59	89	92	STR-94-101	71	80
STR-93-60	71	85	STR-94-102	75	83
STR-93-61	102	40	STR-94-103	130	110
STR-93-66	118	145	STR-94-104	105	123
STR-93-67	92	115	STR-94-105	75	93
STR-93-68	117	130	STR-94-106	90	88
STR-93-69	117	88	STR-94-116	87	107
STR-93-114	60	43	STR-94-117	77	100
STR-94-37	58	45	STR-94-118	133	90
STR-94-38	69	92	STR-94-119	118	110
STR-94-39	75	92	STR-94-120	120	150
STR-94-40	72	68	STR-94-121	73	55

* Not applied.

TABLE 5. RESULTS OF NO-TRACK TESTS (ALABAMA '94)

SAMPLE NUMBER	RESULTS				THICKNESS (mil)		RELATIVE HUMIDITY (%)		AIR TEMP (° F)	
	TIME (SEC)	PCC	TIME (SEC)	ASPH	PCC	ASPH	PCC	ASPH	PCC	ASPH
STR-93-1	60	NT	60	NT	14	16	63	53	67	78
STR-93-2	60	NT	60	NT	15	15	57	81	71	67
STR-93-3	60	NT	60	NT	16	15	43	85	77	65
STR-93-4	60	NT	60	NT	14	15.5	36	54	79	75
STR-93-5	120	NT	120	NT	15	15.5	49	54	74	75
STR-93-6	120	NT	120	NT	14	14	49	85	74	65
STR-93-7	120	NT	120	NT	16	15	36	78	79	69
STR-93-8	60	NT	60	NT	15.5	15	49	81	74	67
STR-93-9	*	*	*	*	*	*	*	*	*	*
STR-93-10	60	NT	60	NT	16	16	62	85	81	65
STR-93-11	*	*	*	*	*	*	*	*	*	*
STR-93-12	60	NT	60	NT	14	15.5	54	52	82	81
STR-93-13	60	NT	60	NT	14	15	62	81	81	67
STR-93-14	60	NT	60	NT	16	15.5	71	71	72	74
STR-93-15	60	NT	60	NT	14.5	15	65	71	66	74
STR-93-70	90	NT	60	NT	15	14	49	45	74	91
STR-93-71	90	NT	60	NT	15	15	32	41	82	92
STR-93-72	90	NT	60	NT	15	15	32	44	84	92
STR-93-73	90	NT	60	NT	16	15	36	59	79	83
STR-93-74	90	NT	60	NT	14	15.5	32	42	82	95
STR-93-75	60	NT	60	NT	14	14.5	73	45	68	91
STR-93-76	60	NT	60	NT	14	15	73	42	68	95
STR-93-77	60	NT	60	NT	14	14.5	50	52	73	88
STR-93-78	60	NT	60	NT	14	14.5	66	41	70	92
STR-93-79	60	NT	60	NT	14	14.5	46	59	76	83
STR-93-80	60	NT	60	NT	14.5	15	66	41	70	92
STR-93-81	60	NT	60	NT	14	15	69	59	72	84
STR-93-82	60	NT	60	NT	14	14	46	35	76	95
STR-93-83	60	NT	60	NT	15	14	50	57	73	84
STR-93-84	60	NT	60	NT	14	15.5	63	43	67	95
STR-93-85	60	NT	60	NT	14	14	82	63	63	72
STR-93-86	60	NT	60	NT	14	14	73	46	68	80
STR-93-87	60	NT	60	NT	14	14	56	51	76	89
STR-93-88	60	NT	60	NT	14	14	46	57	76	84
STR-93-89	60	NT	60	NT	14	14	40	51	80	87
STR-93-90	60	NT	60	NT	14	15	46	78	76	69
STR-93-91	60	NT	60	NT	15	15	50	78	73	69
STR-93-92	60	NT	60	NT	14	15	46	81	76	67
STR-93-93	60	NT	60	NT	14.5	15.5	50	85	73	65
STR-93-94	60	NT	60	NT	15	14	59	89	66	63
STR-93-95	60	NT	60	NT	14	15	65	89	65	63
STR-93-96	60	NT	60	NT	14	16	50	59	73	83
STR-93-97	60	NT	60	NT	16	16	59	60	66	83
STR-93-98	60	NT	60	NT	16	14.5	66	59	70	84
STR-93-99	60	NT	60	NT	16	14	82	44	63	92
STR-93-100	60	NT	60	NT	14.5	15	65	59	68	83
STR-93-101	60	NT	60	NT	14.5	14	73	42	68	95
STR-93-102	60	NT	60	NT	14	14.5	50	59	73	83
STR-93-103	60	NT	60	NT	14	15	59	60	66	83
STR-93-104	60	NT	60	NT	15	14.5	40	49	80	91
STR-93-105	60	NT	60	NT	15	14	40	49	80	91
STR-93-112	60	NT	60	NT	14	15	40	46	80	90
STR-93-113	60	NT	60	NT	15	14	46	44	79	92

NT - paint did not track

T - paint did track

* Material not installed.

TABLE 5. RESULTS OF NO-TRACK TESTS (ALABAMA '94) (continued)

SAMPLE NUMBER	RESULTS		THICKNESS (mil)		RELATIVE HUMIDITY (%)		AIR TEMP (°F)	
	TIME (SEC)	PCC	TIME (SEC)	ASPH	PCC	ASPH	PCC	ASPH
STR-94-1	60	NT	60	NT	14	15	59	49
STR-94-2	60	NT	60	NT	14	14	82	59
STR-94-3	60	NT	60	NT	14	14	55	45
STR-94-4	60	NT	60	NT	14	14	82	51
STR-94-5	60	NT	60	NT	14.5	14	57	63
STR-94-6	60	NT	60	NT	14	15	73	60
STR-94-7	60	NT	60	NT	14	14.5	66	55
STR-94-8	60	NT	60	NT	14	14.5	56	43
STR-94-9	60	NT	60	NT	14	15	66	43
STR-94-10	60	NT	60	NT	14	14.5	50	35
STR-94-11	60	NT	60	NT	14	14	50	63
STR-94-12	60	NT	60	NT	14.5	14.5	63	51
STR-94-13	60	NT	60	NT	14	14.5	40	51
STR-94-14	60	NT	60	NT	14.5	14	46	48
STR-94-15	60	NT	60	NT	14	14.5	56	48
STR-94-16	60	NT	60	NT	14	14.5	65	48
STR-94-17	60	NT	60	NT	15	15	59	46
STR-94-18	*	*	*	*	*	*	*	*
STR-94-19	90	NT	90	NT	14	14	69	63
STR-94-20	60	T	90	NT	15	15	63	49
STR-94-21	60	NT	60	NT	15	14.5	56	44
STR-94-22	60	NT	60	NT	15	14	82	48
STR-94-23	60	NT	60	NT	14	14.5	59	46
STR-94-24	90	NT	60	NT	14	15.5	32	52
STR-94-25	90	NT	60	NT	14	15	32	46
STR-94-26	60	NT	60	NT	14	14.5	50	81
STR-94-27	60	NT	60	NT	14	16	40	71
STR-94-28	60	NT	60	NT	15	15	50	78
STR-94-29	60	NT	60	NT	14.5	16	40	71
STR-94-30	60	NT	60	NT	15.5	14	36	52
STR-94-31	60	NT	60	NT	14	15.5	63	52
STR-94-32	60	NT	60	NT	14	14.5	57	85
STR-94-33	60	NT	60	NT	14	14.5	43	64
STR-94-34	120	NT	120	NT	14	14.5	49	52
STR-94-35	120	NT	120	NT	14.5	15	43	81
STR-94-36	120	NT	120	NT	15	15	49	53
STR-94-81	180	NT	120	NT	16	15	63	43
STR-94-82	60	NT	60	NT	15.5	15.5	46	52
STR-94-83	60	NT	60	NT	15	14	65	51
STR-94-84	60	NT	60	NT	15	15	46	46
STR-94-85	60	NT	60	NT	15.5	14.5	69	51
STR-94-86	60	NT	60	NT	15	15	40	45
STR-94-87	60	NT	60	NT	14.5	14	73	42
STR-94-88	60	NT	60	NT	15	14.5	55	57
STR-94-89	120	NT	120	NT	15.5	16	56	57
STR-94-90	120	T	120	NT	14.5	15	56	57
STR-94-91	60	NT	60	NT	15	15.5	46	45
STR-94-92	60	NT	60	NT	14	15.5	55	52
STR-94-93	60	NT	60	NT	15	14.5	66	41
STR-94-94	60	T	60	NT	15	15.5	56	52
STR-94-95	90	NT	90	NT	15.5	15	66	64
STR-94-96	60	NT	60	NT	15	14	65	53
STR-94-97	60	NT	90	NT	15	14	69	53
STR-94-98	60	NT	60	NT	16	14.5	69	52
STR-94-99	60	NT	90	NT	15.5	14.5	65	54
STR-94-100	60	NT	90	NT	14.5	14.5	65	52
STR-94-107	60	NT	60	NT	15	15.5	65	78
STR-94-108	60	NT	60	NT	16	15	32	66
STR-94-109	60	NT	60	NT	14.5	15.5	32	66
STR-94-110	60	NT	60	NT	16	15.5	32	65
STR-94-111	60	NT	60	NT	15	15.5	32	66
STR-94-112	60	NT	60	T	16	9.5	32	52
STR-94-113	60	NT	60	NT	15.5	10.5	33	52
STR-94-114	60	NT	60	NT	14.5	15	56	54
STR-94-115	60	NT	60	NT	15.5	14	69	85
STR-94-122	60	NT	60	NT	15.5	14	49	50
STR-94-123	60	NT	60	NT	14.5	15.5	69	46
STR-94-124	60	NT	60	NT	16	14	63	46
STR-94-125	60	NT	60	NT	14	14	57	50

NT - paint did not track

T - paint did track

* Material not installed.

TABLE 6. WEATHER INFORMATION FOR TEST STRIPE INSTALLATION (ALABAMA 1994)

DATE	TIME	AIR TEMPERATURE (° F)		PAVEMENT TEMPERATURE (° F)		RELATIVE HUMIDITY (%)	
		ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
4/26/94	9:00 A	79	74	78	80	64	79
	10:00 A	77	78	86	84	67	72
	11:00 A	83	81	98	94	60	65
	12:00 P	86	88	94	105	57	56
	1:00 P	89	87	112	102	52	56
	2:00 P	91	92	124	111	49	52
	3:00 P	91	90	116	103	45	51
4/27/94	9:00 A	79	81	92	88	68	70
	10:00 A	83	84	100	95	59	59
	11:00 A	88	88	109	101	52	53
	12:00 P	90	92	115	108	46	45
	1:00 P	92	94	119	114	44	44
	2:00 P	95	95	123	114	42	43
	3:00 P	92	94	112	104	41	42
	4:00 P		95		113		54
4/28/94	8:00 A		76		77		72
	9:00 A	81	77	91	83	68	75
	10:00 A	84	83	98	84	59	72
	11:00 A	89	90	107	90	51	70
	12:00 P	91	92	114	92	48	58
	1:00 P	92	93	118	98	44	53
	2:00 P	95	95	126	109	43	54
	3:00 P	95	99	122	114	35	45
	4:00 P		96		113		39
4/29/94	8:00 A		76		82		71
	9:00 A	80	78	85	88	63	67
	10:00 A	84	83	103	101	57	63
	11:00 A	87	87	108	109	51	57
	12:00 P	88	89	112	116	48	48
5/2/94	8:00 A		63		79		65
	9:00 A	63	65	79	85	67	65
	10:00 A	67	66	83	81	63	59
	11:00 A	68	69	85	82	64	55
	12:00 P	75	73	103	92	54	50
	1:00 P	78	76	106	102	52	46
	2:00 P	78	80	98	102	53	40
	3:00 P	81	79	108	105	52	46
5/4/94	8:00 A		63		66		81
	9:00 A	63	63	69	67	89	82
	10:00 A	65	68	74	80	85	73
	11:00 A	67	70	81	79	81	66
	12:00 P	69	68	86	74	78	65
	1:00 P	74	72	96	88	71	69
	2:00 P	76	76	96	87	64	56
	3:00 P	76	78	103	96	66	56
	4:00 P	76	77	98	91	65	56

TABLE 6. WEATHER INFORMATION FOR TEST STRIPE INSTALLATION (ALABAMA 1994) (continued)

DATE	TIME	AIR TEMPERATURE (° F)		PAVEMENT TEMPERATURE (° F)		RELATIVE HUMIDITY (%)	
		ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
5/5/94	8:00 A	67		76		59	
	9:00 A	65	67	79	80	65	63
	10:00 A	69	71	85	78	60	57
	11:00 A	72	74	91	75	55	49
	12:00 P	74	77	95	96	49	43
	1:00 P	75	79	108	99	50	36
	2:00 P	77	84	116	101	50	33
	3:00 P	81	84	115	103	46	32
	4:00 P		82		99		32
5/6/94	8:00 A	69	66	82	75	68	
	9:00 A	72	72	86	83	63	
	10:00 A	78	77	99	92	49	
	11:00 A	80	81	105	100	46	
	12:00 P	81	82	112	102	46	
	1:00 P	84		117		43	
	2:00 P	88		116		33	
	3:00 P	89		114		32	
	4:00 P	89		117		39	
5/9/94	9:00 A		69		75		62
	10:00 A		70		78		61
	11:00 A		77		94		54
	12:00 P		80		96		49
	2:00 P		87		117		40

TABLE 7. WEATHER INFORMATION OVER EVALUATION PERIOD (1994-95)

KENTUCKY

MONTH	AVERAGE TEMPERATURE (FAHRENHEIT)	TOTAL RAINFALL (INCHES)	TOTAL SNOWFALL (INCHES)
June	75.1	3.84	0.0
July	76.8	2.29	0.0
August	73.7	3.72	0.0
September	66.2	1.19	0.0
October	57.8	2.11	0.0
November	50.6	2.89	0.0
December	41.2	3.87	Trace
January	33.9	5.01	2.0
February	33.5	2.26	3.7
March	47.2	3.32	3.4
April	55.5	3.90	0.0
May	63.3	8.97	0.0

ALABAMA

May	72.1	1.76	0.0
June	80.3	6.61	0.0
July	80.2	8.47	0.0
August	80.6	4.45	0.0
September	75.8	4.60	0.0
October	66.6	5.82	0.0
November	61.1	3.97	0.0
December	52.8	4.47	0.0
January	48.6	6.04	0.0
February	52.1	6.07	0.0
March	62.0	3.67	0.0
April	62.9	4.24	0.0

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec)												
93-3**	133	82	126	127	125	129	133	139	159	149	137	145
	155	109	157	160	154	160	163	166	182	178	171	180
93-12	228	122	157	154	149	137	144	143	157	145	126	136
	279	185	203	211	175	166	175	175	197	190	172	187
93-75	203	90	135	139	128	128	132	136	151	146	128	140
	278	174	200	203	197	173	190	190	212	205	187	201
93-77	174	82	128	129	119	119	118	127	142	138	121	128
	252	149	180	171	152	141	161	171	188	184	171	173
93-79	202	94	138	138	129	128	130	136	152	143	126	134
	282	173	214	189	177	179	190	188	193	191	176	185
93-95	312	171	181	175	154	150	152	157	161	165	138	154
	400	214	222	212	177	174	191	189	215	204	186	193
93-99	231	123	168	167	164	162	166	170	191	183	172	176
	282	166	200	201	202	185	207	208	232	225	216	232
93-101	270	155	193	191	174	172	172	171	101	178	163	171
	346	231	254	249	279	220	231	237	254	256	240	263
93-113	161	79	128	123	118	114	112	120	132	126	112	121
	239	135	178	161	174	146	152	155	170	167	147	157
94-1	181	101	145	143	138	129	135	136	151	145	123	134
	259	168	207	194	187	163	189	180	211	197	178	197
94-3	211	94	141	134	134	132	134	136	153	143	130	137
	281	186	223	201	178	167	201	180	209	198	184	196
94-33	178	117	163	158	152	155	156	158	166	151	139	142
	221	166	209	202	232	191	191	194	209	201	182	181
94-87	257	138	181	177	175	158	158	165	179	163	148	156
	342	252	263	250	238	243	229	241	255	248	225	240
94-93	280	160	190	182	174	160	163	166	182	176	154	163
	382	271	273	261	246	255	244	229	260	256	241	256
94-99	251	140	212	212	210	214	212	213	222	225	202	207
	379	293	302	281	252	289	264	271	322	304	293	304

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec) (cont.)												
94-113	254	113	141	138	128	124	123	130	148	145	130	137
	355	126	139	151	132	133	142	147	162	162	153	160
Paint-Solvent, Yellow (60 sec)												
93-4	143	75	125	124	120	125	128	136	152	146	136	136
	185	110	150	159	147	153	164	173	195	183	176	179
93-10	156	97	132	124	113	105	110	111	123	116	106	117
	172	174	198	195	154	132	146	147	172	161	146	158
93-13	156	76	127	126	128	123	129	135	145	139	126	132
	185	107	150	150	151	142	147	161	172	165	159	169
93-76	144	73	114	120	122	116	116	121	138	134	120	131
	198	122	154	150	154	133	154	163	178	176	166	175
93-78	144	71	112	121	120	118	116	127	140	135	122	131
	191	112	156	154	158	148	149	155	183	172	165	178
93-80	162	78	122	123	126	118	123	129	141	140	125	134
	200	112	162	143	153	145	144	153	180	170	160	172
93-93	218	119	161	153	146	141	140	145	163	156	134	146
	298	171	185	182	171	153	161	168	186	189	166	181
93-94	212	104	139	134	124	124	128	134	145	141	122	135
	295	151	175	171	150	134	152	165	176	174	152	172
93-98	196	106	145	144	144	143	134	147	160	155	142	149
	220	141	188	169	183	167	176	177	204	191	186	195
93-100	179	93	135	134	136	130	131	133	149	144	131	139
	258	145	201	173	185	159	158	171	203	195	183	191
93-112	223	96	143	137	122	122	124	130	143	135	119	130
	302	155	200	192	174	163	174	178	188	186	171	171
94-2	139	63	117	118	124	124	126	131	145	143	128	140
	175	93	143	140	145	136	138	154	177	170	161	172
94-4	149	80	123	125	129	123	122	129	146	139	126	136
	178	108	143	149	153	147	147	155	178	173	164	169

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, Yellow (60 sec) (cont.)												
94-30	107	50	101	106	102	108	116	121	140	136	125	133
	130	85	126	139	122	129	137	150	160	161	153	162
94-83	188	98	132	132	131	127	126	131	145	139	122	135
	249	175	182	179	161	154	169	172	195	192	184	188
94-85	199	117	158	156	153	144	148	155	163	159	144	148
	244	162	187	192	201	178	176	194	215	214	200	212
94-96	221	127	157	165	159	161	164	163	179	171	161	168
	329	216	201	200	172	162	171	165	209	199	188	206
94-112	146	89	149	136	135	139	142	146	166	164	153	160
	305	185	211	209	174	176	180	184	202	199	185	196
Paint-Solvent, White (90 sec)												
94-95	417	269	332	312	280	284	284	264	295	258	238	238
	499	390	410	393	341	350	368	363	396	372	365	364
Paint-Solvent, Yellow (90 sec)												
94-100	242	126	158	154	142	134	145	148	162	154	141	143
	297	177	168	176	155	148	162	164	182	171	173	173
Paint-Water, White (60 sec)												
93-1	182	98	139	147	132	151	147	155	174	170	152	161
	274	169	186	207	177	194	213	220	230	220	221	233
93-14	365	208	273	255	244	236	242	235	253	243	216	223
	433	349	358	361	311	315	330	343	376	365	361	338
93-81	186	84	133	139	143	134	129	143	146	145	131	141
	270	149	174	156	168	166	169	178	202	207	188	195
93-84	233	134	192	189	192	187	184	190	201	197	175	184
	309	223	228	223	232	223	222	240	253	256	236	234
93-87	266	131	182	181	183	172	178	177	186	180	155	167
	413	263	265	234	251	218	229	241	256	247	226	225
93-92	364	215	263	240	240	237	223	224	238	232	183	200
	530	316	340	327	291	255	273	286	283	270	210	251

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)												
93-97	288	144	178	186	177	178	177	178	186	183	167	169
	531	292	302	303	251	237	255	289	298	280	263	248
93-103	229	111	150	159	155	153	152	161	169	165	144	147
	339	216	248	228	190	202	204	208	233	217	196	206
94-5	227	151	194	200	183	174	179	179	193	178	161	167
	247	190	229	228	211	193	212	208	230	216	194	185
94-8	309	174	212	216	199	211	207	213	207	207	185	180
	431	296	256	291	266	273	265	284	299	299	279	283
94-12	256	134	170	173	169	170	169	169	174	163	139	152
	377	232	262	219	247	214	212	226	248	235	213	208
94-15	336	228	284	267	270	245	237	218	220	212	165	181
	431	344	337	343	362	278	284	274	312	296	237	259
94-21	348	230	291	279	265	248	246	217	194	183	145	163
	447	344	335	359	344	302	290	283	272	258	203	220
94-26	330	164	203	201	193	183	188	191	192	184	149	168
	428	224	247	227	234	204	209	219	225	212	193	214
94-28	345	188	241	232	224	208	198	202	211	195	168	179
	430	231	265	267	247	223	238	236	232	247	220	232
94-31	244	141	145	156	150	147	156	156	171	159	145	155
	398	266	266	273	222	228	237	235	275	273	262	264
94-88	245	131	155	167	163	163	154	161	177	159	150	149
	348	216	226	236	193	179	204	213	235	225	207	197
94-92	266	146	176	178	175	172	175	176	186	182	160	163
	428	293	295	264	246	237	239	270	281	286	252	255
94-94	260	149	119	136	130	124	122	145	142	143	122	139
	447	283	286	225	230	243	274	254	287	267	250	247
94-107	323	185	245	245	219	225	224	228	245	221	204	215
	431	280	322	316	300	238	283	295	300	297	276	287
94-114	165	143	125	131	126	137	130	143	163	157	146	158
	492	369	359	326	268	320	326	305	427	406	371	378

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)												
94-123	422	293	350	330	303	316	296	316	326	305	282	284
	497	384	389	382	362	353	380	389	429	390	371	385
94-124	326	188	214	232	208	207	197	204	227	208	186	197
	464	261	271	272	243	229	256	260	274	271	235	238
Paint-Water, Yellow (60 sec)												
93-2	174	83	129	129	131	131	137	145	160	156	144	157
	186	109	154	160	163	153	170	177	202	197	188	198
93-8	146	63	109	111	113	113	126	126	140	136	129	139
	163	83	130	132	133	133	143	158	170	173	166	178
93-15	298	185	230	223	203	201	202	207	218	206	202	198
	324	233	272	282	256	266	274	272	296	300	285	285
93-82	112	43	91	94	101	101	105	112	130	129	119	126
	168	85	126	133	132	128	134	150	167	166	158	163
93-83	187	89	155	150	157	154	160	168	177	171	167	172
	283	192	207	192	190	195	215	236	257	256	245	252
93-85	223	164	195	195	185	187	190	187	203	193	175	186
	258	201	247	228	208	200	215	237	246	236	206	224
93-86	228	136	180	182	173	169	163	172	185	175	156	161
	245	181	213	215	202	193	203	201	216	209	196	205
93-88	209	117	173	162	168	167	175	174	192	187	176	181
	304	222	238	226	216	211	228	249	271	270	270	269
93-89	216	112	155	152	155	154	153	163	181	173	157	162
	303	193	219	199	193	192	199	208	252	246	228	239
93-90	291	152	205	197	193	189	190	197	205	199	174	175
	392	186	239	230	216	210	225	228	245	244	229	235
93-91	286	172	220	218	215	204	202	202	229	213	195	205
	370	221	245	257	247	217	233	251	282	273	263	269
93-96	125	53	102	104	108	111	115	122	138	134	125	135
	192	112	155	151	139	148	157	168	187	180	176	181

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
93-102	176	83	130	130	119	124	127	131	143	141	126	133
	235	135	185	185	167	160	173	179	181	193	180	184
93-104	170	70	120	125	121	124	129	131	143	146	131	139
	233	155	189	168	169	154	186	170	192	195	182	185
93-105	153	73	117	117	118	119	120	125	143	137	131	136
	278	170	201	169	429	155	196	181	212	202	196	201
94-6	203	151	205	191	186	177	184	183	202	191	172	183
	220	201	232	227	189	208	216	225	233	224	207	219
94-7	193	121	174	174	166	157	161	162	175	172	152	156
	173	183	218	221	198	183	192	207	233	215	199	215
94-9	128	60	98	106	107	108	110	121	138	136	125	135
	184	99	133	132	140	133	144	147	175	170	165	167
94-10	165	82	139	135	139	139	141	146	160	155	141	153
	263	192	195	191	197	187	179	206	215	211	191	197
94-11	252	131	191	189	191	185	180	184	195	187	171	182
	360	252	255	258	250	255	255	278	284	273	267	262
94-13	239	111	163	164	161	161	166	166	186	174	158	163
	347	218	230	218	217	214	228	228	250	255	235	234
94-14	173	77	121	123	122	120	133	136	151	142	133	140
	259	180	184	181	152	174	174	184	204	196	186	196
94-16	218	128	186	186	174	179	188	184	196	188	174	182
	306	218	247	241	224	230	237	244	276	274	250	266
94-17	164	124	162	162	154	158	161	163	184	169	153	159
	175	160	208	213	207	196	209	218	241	226	214	226
94-22	174	79	119	118	124	122	128	133	146	137	127	133
	281	173	194	192	174	175	180	189	210	197	192	201
94-23	164	121	161	152	150	142	158	152	181	158	146	157
	181	171	216	209	225	217	231	233	233	225	218	228
94-27	183	86	140	142	135	134	136	139	151	138	126	134
	261	110	144	160	142	146	158	155	167	168	151	160

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
94-29	168	77	131	136	131	135	139	144	164	153	148	154
	229	112	157	155	144	151	166	174	185	189	179	192
94-32	177	39	84	89	90	95	101	108	122	116	110	122
	196	56	101	110	111	107	117	127	134	131	128	139
94-82	140	56	107	109	110	111	116	123	137	136	126	133
	206	110	152	146	126	130	144	165	187	183	176	182
94-84	185	93	142	142	130	137	134	144	156	153	139	144
	234	129	184	171	160	182	166	182	207	208	192	201
94-86	150	69	112	118	118	117	121	130	144	137	130	135
	263	153	188	189	169	153	197	164	209	199	188	206
94-91	195	89	135	133	130	132	134	143	164	158	138	145
	258	144	186	178	178	170	187	195	202	205	190	202
94-97	181	105	134	128	135	126	134	141	141	142	132	137
	319	204	214	229	189	189	214	221	235	238	223	223
94-98	150	70	118	124	120	123	126	136	148	145	134	142
	213	128	159	169	147	146	157	158	186	189	181	190
94-108	207	104	161	160	156	149	154	162	178	166	158	161
	238	156	193	200	177	176	188	199	210	207	195	208
94-109	219	118	165	166	158	151	161	164	181	166	155	162
	262	160	198	200	185	174	191	197	210	203	196	202
94-110	177	83	140	136	130	133	137	143	154	151	137	147
	223	129	171	166	149	154	162	183	188	188	168	183
94-111	208	128	176	169	170	160	163	171	181	178	167	173
	268	170	208	201	207	202	219	224	251	242	237	250
94-115	286	158	197	204	178	176	175	186	205	194	178	190
	240	247	285	255	253	238	261	270	308	294	264	292
94-122	58	32	88	91	92	92	103	107	125	118	109	121
	65	73	111	113	101	103	119	139	153	147	142	147
94-125	234	114	167	172	155	152	167	165	180	181	167	184
	296	189	221	222	173	170	201	221	268	228	221	233

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (90 sec)												
94-19	178	121	175	173	169	167	167	172	183	173	153	167
	191	172	220	200	201	190	212	220	229	223	209	222
Paint-Water, Yellow (180 sec)												
94-20	174	128	180	175	171	173	174	185	196	189	175	183
	173	179	219	215	218	212	227	235	256	238	232	237
Paint-Polyester, White												
93-5	351	237	181	126	141	119	109	121	100	106	92	105
	456	341	422	376	284	295	248	386	370	398	249	336
93-70	375	273	320	290	283	287	269	290	247	247	187	207
	438	390	420	410	372	345	324	333	353	326	327	355
93-73	430	377	412	404	371	369	359	371	341	342	293	304
	471	429	505	470	491	487	449	497	433	487	435	463
94-24	357	297	343	335	324	325	313	323	295	305	242	264
	419	383	467	443	404	405	419	437	398	432	377	429
94-81	370	276	297	305	288	288	278	286	251	264	218	233
	429	385	399	424	354	343	375	359	389	422	375	392
Paint-Polyester, Yellow												
93-6	141	101	146	150	150	144	143	153	145	146	126	139
	169	126	185	187	186	164	168	180	185	203	176	190
93-7	193	99	148	142	144	134	137	147	137	145	122	134
	208	156	195	201	185	176	169	181	201	208	186	198
93-71	214	157	196	194	192	186	187	195	179	163	117	130
	264	227	262	273	236	231	244	265	249	276	227	257
93-72	254	176	228	216	213	208	199	204	182	180	120	130
	293	248	304	317	287	271	283	314	282	302	253	283
93-74	241	155	202	204	200	189	178	180	165	146	113	121
	278	233	276	283	234	234	234	244	217	252	211	173
94-25	230	166	215	214	212	195	197	200	189	193	147	166
	250	253	287	303	275	243	290	301	256	283	239	259

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Polyester, Yellow (cont.)												
94-34	173	104	133	109	133	102	107	119	103	120	89	105
	209	165	205	197	196	164	185	201	194	195	184	197
94-35	184	116	156	157	161	149	146	163	146	150	133	144
	223	178	214	206	203	176	175	195	205	221	193	202
94-36	374	290	322	249	263	243	249	243	211	213	183	188
	441	369	414	381	372	343	345	375	386	405	356	368
94-89	114	30	77	81	87	83	86	100	96	101	89	99
	204	117	161	124	110	93	94	114	96	104	104	103
94-90	86	24	73	74	89	82	85	99	95	104	88	98
	202	52	97	89	88	80	81	98	96	97	88	97
Paint-Multipolymer, White												
93-61	324	306	353	339	329	317	292	307	267	256	231	241
	261	289	409	358	391	362	375	377	405	452	393	400
Paint-Multipolymer, Yellow												
93-114	202	270	335	322	291	288	277	261	250	219	178	188
	223	239	334	329	347	354	354	345	332	365	289	307
Thermoplastic-Alkyd, White												
93-35	159	94	155	149	139	123	127	134	122	139	131	143
	302	217	258	257	239	173	194	189	161	165	146	193
93-41	438	288	351	323	309	320	296	302	269	277	232	227
	508	419	498	429	444	428	433	466	421	495	488	460
93-43	154	139	186	218	207	201	202	208	213	209	193	203
	176	203	255	272	271	311	292	349	313	347	334	333
93-47	314	235	298	283	259	274	259	271	244	257	234	252
	349	297	343	369	410	333	338	312	348	367	321	365
93-58	298	240	324	328	334	324	308	334	303	309	308	306
	374	304	397	428	362	375	397	411	383	418	387	429
93-69	347	241	211	205	251	285	275	315	290	350	356	356
	488	332	303	307	256	229	260	257	245	285	273	310

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, White (cont.)												
94-39	483	390	444	442	407	396	355	314	265	241	205	238
	536	474	496	496	432	465	436	492	488	505	423	422
94-45	415	346	380	370	343	301	263	245	220	218	195	226
	497	451	439	449	429	394	381	434	410	393	348	336
94-74	437	339	349	290	227	182	182	191	178	197	198	214
	529	437	533	494	407	286	324	270	221	238	204	226
94-102	283	352	365	292	239	170	170	173	167	176	171	186
	289	394	494	476	365	261	279	235	298	295	237	283
94-120	263	179	236	235	251	256	247	260	240	261	244	257
	528	282	295	266	264	265	286	288	289	298	318	365
Thermoplastic-Alkyd, Yellow												
93-36	343	304	359	325	315	284	267	271	238	246	211	223
	498	389	421	395	388	371	385	420	379	453	399	387
93-39	212	140	199	187	185	176	167	176	160	159	128	151
	263	177	264	272	247	219	250	255	228	239	173	204
93-40	212	160	226	211	209	209	199	198	179	168	135	146
	239	197	267	264	252	253	245	259	279	276	246	260
93-42	188	159	215	223	203	202	195	203	189	191	167	182
	234	213	295	272	273	264	282	304	285	301	277	303
93-46	76	62	139	142	155	154	150	160	148	159	127	153
	76	102	178	182	179	175	184	198	180	197	161	190
93-59	193	196	213	231	233	230	232	246	222	236	186	208
	220	178	281	286	279	290	306	302	283	314	275	312
93-68	221	232	234	198	165	163	172	189	179	211	218	243
	306	213	339	332	318	247	281	272	265	271	240	238
94-40	298	234	280	266	265	215	203	192	169	167	147	170
	340	252	332	317	287	279	278	316	302	324	238	265
94-42	273	221	264	258	254	244	229	207	174	169	152	170
	320	280	341	318	310	290	291	325	313	329	231	237

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, Yellow (cont.)												
94-46	234	200	253	244	241	219	198	199	180	180	150	168
	289	235	302	275	272	243	273	290	294	303	247	274
94-48	227	173	227	225	221	192	182	176	159	161	137	156
	301	238	271	252	247	238	250	240	237	246	195	207
94-51	192	167	222	221	236	221	207	214	192	218	185	205
	190	182	253	262	257	244	246	287	237	267	240	260
94-71	234	153	192	170	160	145	150	164	156	177	150	182
	285	239	292	242	205	169	155	168	149	170	140	177
94-75	234	137	190	163	158	139	137	149	145	162	138	165
	268	220	249	249	208	170	176	191	166	169	158	173
94-101	120	137	167	148	139	118	120	136	132	140	138	155
	144	189	266	212	200	163	173	158	198	180	192	189
94-103	135	147	223	217	216	210	197	218	192	187	172	194
	135	171	269	300	264	235	248	243	274	273	285	317
94-104	156	181	232	231	224	226	220	233	205	201	171	189
	164	184	319	272	271	246	251	255	286	276	366	336
94-105	139	105	166	153	140	109	113	124	123	127	119	135
	138	141	196	189	196	167	185	149	158	147	160	171
94-118	254	154	200	176	175	150	160	175	161	185	182	191
	370	278	363	329	267	221	184	179	160	175	168	183
94-119	297	196	244	218	208	180	194	193	177	199	195	204
	378	300	350	317	282	213	232	230	211	227	222	224
Thermoplastic-Hydrocarbon, White												
93-32	231	219	254	210	200	190	183	197	195	197	173	185
	303	243	312	301	290	226	234	242	209	233	223	234
93-44	318	276	334	321	295	249	246	249	236	263	212	241
	338	278	393	404	401	405	395	421	355	411	343	408
93-66	349	105	181	185	215	210	207	215	203	218	193	209
	464	277	274	223	199	231	229	236	203	233	274	349

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, White (cont.)												
94-37	444	386	390	314	261	207	212	220	216	239	229	251
	507	433	494	458	418	343	344	346	363	396	291	340
94-43	409	372	407	348	307	227	201	213	210	211	205	229
	475	428	496	483	462	401	389	436	416	454	355	370
94-72	105	125	133	137	142	134	140	152	141	148	129	139
	171	99	187	204	203	178	200	203	190	221	195	206
94-106	453	340	387	358	304	214	216	218	202	211	210	226
	488	353	438	442	413	337	374	370	431	448	360	461
94-121	243	209	242	255	248	237	232	237	214	213	187	189
	306	300	343	334	304	294	306	335	325	340	291	336
Thermoplastic-Hydrocarbon, Yellow												
93-28	172	148	157	115	125	122	131	143	134	153	141	151
	194	171	241	227	194	137	149	146	141	154	145	159
93-29	303	250	218	164	164	151	163	176	166	188	167	181
	342	284	318	344	271	189	217	209	221	207	181	202
93-33	83	84	127	129	123	122	130	140	134	136	119	127
	145	124	183	167	181	132	153	157	148	166	152	165
93-34	120	119	161	148	141	149	147	164	153	154	134	143
	194	173	214	226	201	159	181	187	174	188	168	189
93-45	117	106	168	168	163	132	134	147	141	154	122	150
	127	122	206	207	220	185	203	209	186	202	162	190
93-60	146	78	141	156	176	171	180	188	176	179	165	184
	292	125	153	153	176	181	187	213	207	230	211	239
93-67	182	94	162	156	169	164	164	175	163	179	161	177
	259	183	208	218	198	187	219	219	208	225	273	263
94-38	242	213	262	255	223	159	158	156	148	139	140	155
	251	231	296	283	284	280	277	309	304	332	293	314
94-41	218	157	172	144	143	138	145	163	156	167	156	174
	284	228	281	233	204	148	153	165	176	191	164	193

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, Yellow (cont.)												
94-44	236	211	265	224	201	157	151	164	160	164	154	172
	271	224	292	303	277	235	249	244	280	269	215	255
94-47	194	180	230	216	195	139	129	138	135	144	131	152
	226	204	267	260	249	240	237	253	265	271	235	244
94-49	248	174	204	186	190	185	191	205	194	218	180	197
	299	238	293	246	241	187	207	218	218	246	240	259
94-73	141	96	139	136	143	132	136	148	141	152	127	147
	187	147	203	193	176	149	163	177	161	173	145	177
94-116	365	208	219	212	232	218	223	232	216	245	226	224
	435	378	431	392	337	249	314	300	294	297	314	348
94-117	203	180	235	237	240	223	214	211	198	185	154	169
	222	217	271	252	264	260	266	293	260	285	264	297
Thermoplastic-Preformed, White												
93-37	126	160	239	248	255	268	261	275	267	278	245	264
	94	138	248	270	301	340	359	407	404	442	404	449
93-38	32	66	193	240	298	328	337	358	342	368	324	334
	21	17	113	151	212	262	275	309	296	339	338	376
93-54	289	250	296	303	299	282	279	265	250	255	217	223
	403	335	436	373	383	378	387	409	422	439	421	439
93-55	383	212	217	220	232	233	229	233	218	238	210	225
	365	321	444	322	353	319	289	328	269	291	292	331
94-77	252	256	310	315	335	305	293	287	264	266	225	242
	216	223	370	344	330	372	359	371	418	459	404	442
94-78	288	189	258	243	249	273	271	272	261	277	259	279
	189	285	363	281	322	306	311	356	418	458	396	437
Thermoplastic-Preformed, Yellow												
93-30	39	66	145	157	168	172	165	177	171	170	149	159
	39	76	170	178	179	209	208	230	232	255	222	244

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Preformed, Yellow (cont.)												
93-31	21	22	112	122	133	130	137	146	141	146	121	135
	9	19	89	108	141	154	154	181	175	192	183	201
94-76	279	163	199	169	177	154	162	163	160	171	148	159
	302	274	366	304	262	235	261	268	272	282	235	263
Permanent Tape, White												
93-23	157	145	***	***	***	***	***	***	***	***	***	***
	198	184	***	***	***	***	***	***	***	***	***	***
93-25	263	255	***	***	***	***	***	***	***	***	***	***
	312	319	***	***	***	***	***	***	***	***	***	***
93-26	248	249	***	***	***	***	***	***	***	***	***	***
	295	254	***	***	***	***	***	***	***	***	***	***
93-49	317	269	284	271	271	259	241	244	222	215	188	197
	357	372	396	417	390	356	373	381	330	385	334	363
93-106	695	576	628	603	593	569	529	513	487	432	396	387
	851	684	799	789	682	694	738	800	744	811	733	742
93-108	330	236	261	246	245	239	233	235	218	205	189	198
	403	320	400	375	333	305	334	370	370	389	333	368
94-56	672	206	204	198	193	187	182	195	183	186	172	179
	869	388	418	386	364	293	312	308	376	416	354	383
94-57	437	367	362	357	330	315	288	285	257	239	216	219
	469	422	468	458	419	388	375	401	460	470	442	443
94-68	219	178	224	220	223	222	214	227	206	218	192	194
	243	233	280	294	281	250	253	284	264	291	266	272
94-70	504	370	353	317	268	279	261	258	240	244	195	199
	668	545	623	610	531	421	539	558	472	489	447	482

TABLE 8. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Permanent Tape, Yellow												
93-17	320	280	***	***	***	***	***	***	***	***	***	***
	342	332	***	***	***	***	***	***	***	***	***	***
93-24	95	85	***	***	***	***	***	***	***	***	***	***
	118	121	***	***	***	***	***	***	***	***	***	***
93-27	150	161	***	***	***	***	***	***	***	***	***	***
	219	210	***	***	***	***	***	***	***	***	***	***
93-48	379	299	310	316	275	289	276	266	265	259	215	215
	439	448	521	480	454	419	478	451	407	446	400	450
93-107	467	296	315	284	272	258	253	267	243	236	213	219
	572	456	460	525	377	389	432	432	471	536	462	469
93-109	311	247	294	284	285	261	258	260	239	238	210	221
	355	321	385	375	379	332	377	384	371	391	355	363
94-67	98	67	121	124	135	134	132	146	135	146	128	133
	114	101	153	176	169	148	172	185	173	183	170	181
94-69	153	105	146	145	149	142	141	142	138	146	120	129
	212	181	249	247	246	205	247	243	224	241	220	227
Temporary Tape, White												
93-56	653	329	298	249	182	134	130	131	133	138	124	131
	1004	707	529	441	326	194	194	203	185	201	174	193
Temporary Tape, Yellow												
93-57	653	329	298	249	212	178	163	174	149	140	121	132
	846	638	488	388	253	234	214	218	177	193	164	172
93-64	542	278	246	221	206	185	176	183	164	153	133	136
	824	476	410	350	295	239	215	228	191	217	177	182

* Millicandelas per square foot per footcandle.

** Top number is wheel track measurement and bottom number is centerline measurement.

*** Material gone.

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec)												
93-3**	209	146	166	149	148	142	142	161	139	156	158	136
	244	193	218	210	215	186	183	212	185	201	203	179
93-12	207	134	174	166	162	155	153	167	147	156	158	131
	233	161	204	188	196	191	183	204	182	207	210	187
93-75	204	122	155	138	130	126	131	141	128	148	154	130
	242	170	203	194	186	167	176	195	172	194	187	172
93-77	196	111	148	132	130	120	116	136	119	140	143	121
	237	149	185	168	153	141	156	180	151	170	178	161
93-79	247	132	182	168	158	148	139	159	138	156	161	136
	266	183	214	226	223	206	214	209	186	199	219	201
93-95	241	165	182	158	146	142	139	152	133	155	154	130
	348	191	180	158	154	148	147	158	141	168	175	151
93-99	228	141	189	167	169	154	152	162	140	164	146	123
	243	188	223	217	220	200	220	230	202	229	236	206
93-101	258	165	219	170	180	157	153	159	143	159	149	125
	276	223	257	240	249	247	227	239	222	247	245	231
93-113	200	128	177	146	134	172	123	137	119	137	138	118
	226	180	226	182	209	160	209	223	188	228	227	194
94-1	179	97	136	120	121	121	121	134	118	137	146	123
	221	152	185	173	170	151	157	163	151	180	185	165
94-3	180	103	138	125	119	118	123	136	120	140	141	121
	227	166	194	183	161	151	160	187	156	181	190	167
94-33	236	158	180	160	158	155	150	169	152	162	158	134
	254	212	236	214	212	190	189	215	194	208	212	193
94-87	268	168	198	177	170	152	136	151	139	156	154	130
	300	227	268	251	239	230	246	252	224	220	238	227
94-93	274	176	216	179	174	166	160	178	158	171	162	133
	291	229	259	258	241	256	249	248	222	241	260	230
94-99	326	209	263	241	232	233	223	238	212	237	224	195
	352	302	345	326	328	345	336	359	332	354	355	337

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec) (cont.)												
94-113	437	261	290	279	244	225	219	246	230	251	241	229
	432	348	365	319	333	296	311	345	311	339	338	326
Paint-Solvent, Yellow (60 sec)												
93-4	177	115	141	125	121	119	119	130	118	132	132	115
	186	149	177	159	162	152	156	171	149	171	174	153
93-10	204	115	160	140	137	131	130	142	129	139	140	117
	230	144	184	173	171	169	163	176	158	183	188	167
93-13	228	125	167	133	133	124	127	137	125	136	141	117
	256	162	191	173	168	168	149	172	158	179	182	158
93-76	153	76	114	101	102	102	100	116	102	125	123	107
	184	111	155	131	139	135	134	140	126	149	151	134
93-78	165	82	125	103	106	103	107	119	108	130	131	112
	196	124	143	135	132	133	125	143	124	151	150	133
93-80	153	64	102	98	95	91	97	110	102	123	122	105
	186	122	135	129	121	113	124	136	121	144	151	129
93-93	203	139	163	141	124	116	117	130	113	134	137	115
	221	125	152	133	130	123	125	141	124	151	155	135
93-94	214	132	168	150	144	147	139	149	128	151	148	127
	261	186	189	150	161	145	144	159	135	166	163	140
93-98	190	130	152	148	137	132	133	150	123	147	154	125
	215	159	185	177	176	172	172	183	170	194	198	175
93-100	200	142	164	154	134	133	134	150	128	150	154	125
	219	167	198	184	172	187	180	188	179	199	205	181
93-112	146	82	125	107	106	103	108	118	106	124	126	109
	203	143	166	152	144	130	139	152	135	164	159	137
94-2	88	51	96	86	93	90	92	107	94	120	120	104
	101	66	108	94	99	94	102	115	101	127	129	112
94-4	84	56	98	82	91	84	92	102	93	119	119	102
	104	74	106	95	104	98	106	120	104	129	128	113

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, Yellow (60 sec) (cont.)												
94-30	179	120	141	122	116	113	114	130	119	133	132	115
	190	148	173	158	150	148	152	175	153	169	178	159
94-83	180	113	141	138	144	150	149	172	159	174	181	156
	196	131	167	158	146	152	159	168	152	173	173	160
94-85	199	124	157	144	132	132	137	151	131	147	148	123
	227	167	202	190	176	181	181	193	167	190	198	173
94-96	248	155	177	169	158	148	144	155	143	161	160	136
	263	177	170	157	156	141	144	160	142	166	168	149
94-100	231	146	176	167	161	159	158	169	150	172	167	146
	313	240	238	210	173	177	172	191	161	194	193	178
94-112	256	158	180	154	138	122	134	135	124	142	143	126
	276	174	151	130	133	123	118	135	119	142	149	138
Paint-Solvent, White (90 sec)												
94-95	360	227	264	229	225	211	208	233	194	228	226	177
	522	360	354	313	287	278	250	289	246	295	286	255
Paint-Water, White (60 sec)												
93-1	422	292	302	272	256	239	238	267	221	252	222	201
	455	345	365	335	331	353	325	369	316	347	347	304
93-14	429	305	354	311	270	261	253	264	236	260	228	201
	408	365	411	394	381	384	348	396	376	413	397	385
93-81	312	218	234	218	199	188	179	200	168	194	195	168
	384	241	281	273	273	264	261	278	244	260	265	245
93-84	365	232	236	224	217	197	196	203	166	201	178	154
	348	232	257	228	238	232	222	231	202	204	203	179
93-87	376	293	263	252	231	220	205	226	195	218	213	177
	461	324	327	318	305	268	276	297	259	286	269	256
93-92	278	184	210	194	180	171	179	205	168	196	178	155
	380	296	278	282	255	234	239	279	240	275	249	232

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)												
93-97	315	197	201	184	178	184	173	179	163	182	182	155
	384	295	312	278	278	281	259	292	250	288	318	264
93-103	311	200	213	190	182	175	175	189	160	190	194	155
	323	237	282	270	264	263	255	283	244	277	291	260
94-5	335	251	257	225	203	199	195	200	167	202	181	154
	389	262	284	268	268	256	258	266	224	221	225	203
94-8	314	195	217	206	176	177	166	176	154	174	168	145
	368	236	243	244	245	245	218	249	211	250	242	211
94-12	350	249	272	242	232	213	227	236	188	211	198	171
	399	324	329	328	315	310	306	325	284	301	292	259
94-15	325	259	270	242	232	203	208	203	162	176	160	135
	363	298	313	312	312	284	295	311	245	238	226	194
94-21	350	269	289	259	244	236	238	213	175	199	187	162
	380	314	339	324	326	306	326	341	260	300	277	253
94-26	243	131	175	151	139	137	138	153	127	152	150	132
	295	217	248	218	208	179	201	215	177	200	193	180
94-28	303	213	229	202	180	164	171	186	149	169	166	145
	389	266	314	295	276	240	275	289	237	255	244	223
94-31	451	312	292	291	255	244	248	260	223	283	244	203
	483	368	387	365	344	364	347	394	333	365	355	325
94-88	305	199	217	191	181	176	173	200	166	195	195	157
	318	246	280	260	251	248	246	283	245	280	279	244
94-92	272	172	180	173	148	152	154	166	145	166	171	147
	334	251	261	263	242	238	230	269	249	278	272	250
94-94	419	259	245	252	219	225	207	224	197	232	217	189
	509	372	389	356	340	326	337	362	312	348	363	303
94-107	427	277	310	273	261	255	241	251	231	249	232	199
	434	339	345	342	331	339	318	341	317	339	338	288
94-114	472	285	331	269	251	244	224	246	224	268	252	204
	508	378	424	393	406	366	383	407	320	411	388	318

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)												
94-123	327	198	203	185	168	176	164	185	151	184	178	154
	385	230	273	239	248	224	224	237	207	232	239	196
94-124	441	301	304	273	265	240	233	259	207	249	229	195
	458	372	373	355	364	350	323	354	300	333	297	279
Paint-Water, Yellow (60 sec)												
93-2	291	217	224	205	191	188	182	193	175	204	196	172
	318	251	279	270	259	256	253	273	240	269	281	248
93-8	235	158	171	155	150	150	150	162	143	170	165	137
	259	192	212	203	201	180	192	212	187	207	207	193
93-15	333	240	269	243	213	200	179	191	176	184	168	145
	321	279	305	285	295	282	258	305	284	323	311	280
93-82	169	98	116	106	98	105	102	129	108	137	138	117
	219	156	170	161	160	142	156	168	162	193	190	175
93-83	212	141	180	152	151	151	162	152	129	158	167	141
	280	216	239	225	215	186	221	246	217	246	256	236
93-85	262	162	205	172	177	168	157	165	153	176	164	139
	318	217	252	226	224	222	204	245	209	228	227	210
93-86	283	180	218	193	184	168	176	184	159	189	186	156
	308	227	253	246	234	234	235	246	219	245	235	219
93-88	236	169	202	177	176	168	173	172	163	191	187	164
	294	234	255	242	241	213	243	257	228	271	256	242
93-89	234	140	175	166	145	148	149	148	141	168	159	138
	293	222	242	221	204	198	219	223	198	248	243	198
93-90	210	115	171	146	144	128	142	137	121	150	149	125
	279	207	237	220	203	187	226	221	190	220	211	192
93-91	238	161	200	166	159	145	159	149	139	165	161	136
	303	239	249	238	235	220	226	252	206	241	228	217
93-96	153	79	122	110	103	107	112	123	111	135	136	116
	179	133	167	159	144	140	155	174	151	186	186	169

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
93-102	171	100	143	120	119	119	124	121	115	141	143	118
	195	144	175	166	148	143	164	180	156	184	185	168
93-104	187	103	144	127	110	117	122	122	116	144	140	121
	213	153	182	176	160	158	177	182	160	186	187	158
93-105	153	84	130	104	100	102	105	117	104	130	129	113
	195	152	176	156	148	143	164	162	143	181	174	159
94-6	254	153	198	165	163	144	143	159	131	157	157	135
	304	193	233	200	213	212	202	217	186	209	214	193
94-7	260	171	198	192	178	170	166	185	154	191	192	158
	283	227	240	230	239	229	230	236	222	251	247	230
94-9	176	112	137	120	116	112	119	134	112	139	139	120
	233	161	189	172	164	159	160	184	167	192	199	178
94-10	208	137	158	147	136	129	132	145	125	161	147	128
	245	189	226	223	185	178	198	225	183	231	226	198
94-11	231	142	189	162	151	152	148	156	135	160	166	134
	312	216	230	232	207	196	208	224	197	248	223	220
94-13	242	148	184	166	152	145	147	154	128	153	152	137
	267	210	240	206	201	211	205	232	200	236	230	217
94-14	200	115	165	140	129	139	128	139	119	148	136	121
	243	165	202	180	181	165	181	210	170	217	209	174
94-16	223	168	193	173	181	181	170	177	153	166	162	144
	258	227	249	240	215	246	236	241	217	239	232	202
94-17	223	151	189	177	169	170	171	182	157	175	164	156
	274	231	233	224	227	237	226	245	223	246	257	233
94-22	265	149	172	172	148	145	139	138	128	156	142	117
	323	236	262	239	241	232	233	251	211	250	225	192
94-23	206	154	179	161	161	155	158	171	144	172	174	144
	293	219	239	223	210	218	216	249	222	247	260	229
94-27	119	66	111	99	83	89	91	101	90	114	111	96
	177	103	142	117	115	117	128	136	113	133	135	115

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
94-29	79	39	98	74	71	74	76	87	79	102	104	93
	128	89	125	110	106	110	117	126	106	132	134	114
94-32	247	173	190	174	164	164	164	177	158	180	167	153
	280	220	241	224	228	211	221	233	213	229	234	215
94-82	169	117	144	117	126	119	130	126	109	143	150	122
	202	156	184	174	175	147	176	187	168	199	200	183
94-84	187	116	144	129	122	122	129	134	121	148	147	125
	201	147	180	167	169	154	172	182	158	189	191	173
94-86	154	86	127	108	105	102	109	115	104	134	131	116
	182	134	173	155	154	149	150	175	155	184	187	170
94-91	184	107	147	121	114	135	117	127	121	138	139	125
	199	145	176	161	168	128	168	186	152	190	190	165
94-97	271	133	182	149	141	137	134	151	128	157	152	132
	373	266	292	270	259	247	248	261	228	262	265	241
94-98	219	127	166	137	134	134	133	146	128	153	149	126
	266	179	230	215	198	194	209	219	200	229	214	201
94-108	181	117	144	127	124	118	122	137	123	144	143	131
	221	128	163	150	147	137	150	164	146	170	165	154
94-109	274	161	189	159	146	145	135	160	132	150	147	139
	288	193	208	190	184	168	179	186	166	189	182	167
94-110	202	136	163	148	136	132	139	147	134	150	149	132
	218	155	186	165	163	158	163	179	160	180	181	164
94-111	233	176	202	168	168	134	155	171	146	164	165	149
	238	224	244	214	235	213	218	240	210	244	249	245
94-115	308	227	210	214	166	173	181	203	156	203	185	176
	332	277	292	285	260	277	257	291	257	299	287	273
94-122	218	175	185	171	166	160	162	168	155	174	173	155
	232	196	209	198	210	182	198	214	197	221	223	219
94-125	249	179	190	166	152	149	151	175	142	171	162	138
	308	242	267	247	251	236	241	255	230	274	284	251

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (90 sec)												
94-19	196	159	180	169	159	168	168	175	155	188	177	159
	231	196	221	202	205	209	220	232	205	233	221	215
Paint-Water, Yellow (180 sec)												
94-20	233	165	204	188	177	167	180	194	168	192	191	172
	245	199	226	222	223	216	230	244	223	254	250	229
Paint-Polyester, White												
93-5	363	281	308	273	270	264	245	249	252	263	237	225
	395	327	323	347	296	302	315	322	323	339	300	316
93-70	372	317	274	306	304	296	285	261	287	271	246	266
	337	293	306	316	297	302	297	304	317	335	313	315
93-73	376	320	306	270	231	229	216	229	229	243	216	226
	378	354	335	344	302	320	315	306	317	342	301	317
94-24	353	338	310	298	285	282	264	279	278	293	281	275
	349	317	328	330	339	332	321	328	334	355	336	351
94-81	277	222	227	197	204	186	153	130	125	137	136	109
	264	233	274	268	167	200	174	204	206	156	116	152
Paint-Polyester, Yellow												
93-6	154	107	136	127	133	136	136	133	145	146	142	135
	161	122	158	152	145	149	151	158	166	177	165	171
93-7	208	128	162	141	139	130	136	130	132	143	121	145
	224	157	194	190	165	171	170	173	173	199	178	162
93-71	261	194	248	113	99	84	92	89	91	107	122	103
	266	244	249	246	123	140	147	128	145	159	97	133
93-72	322	189	209	147	97	89	90	101	95	112	101	103
	302	310	302	302	263	246	261	249	237	265	231	227
93-74	339	292	266	236	227	203	203	190	192	211	177	171
	335	328	329	325	328	306	315	302	310	324	278	294
94-25	318	258	250	238	212	210	189	195	200	209	196	186
	323	304	300	293	287	290	283	281	285	302	283	298

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Polyester, Yellow (cont.)												
94-34	187	126	160	141	151	148	143	133	144	151	139	133
	203	155	195	177	175	157	173	186	186	192	194	187
94-35	200	130	160	145	140	143	143	139	143	147	125	124
	215	154	187	181	165	169	173	172	179	203	183	174
94-36	357	288	298	275	266	272	242	254	255	261	247	242
	382	330	355	344	328	310	341	340	342	345	320	343
94-89	230	146	155	143	140	136	131	132	137	149	118	127
	217	165	185	178	141	149	148	147	148	156	120	136
94-90	150	109	155	138	136	129	139	141	145	161	139	137
	176	132	182	170	169	171	182	184	193	205	192	196
Paint-Multipolymer, White												
93-61	312	321	339	294	269	244	232	232	213	217	200	204
	246	322	329	354	333	390	354	341	344	342	343	338
Paint-Multipolymer, Yellow												
93-114	237	298	292	268	249	196	185	179	178	193	175	174
	186	238	272	284	299	314	302	286	301	301	286	290
Thermoplastic-Alkyd, White												
93-35	126	101	115	125	145	120	150	139	162	184	139	172
	120	138	149	191	153	142	205	182	198	243	202	234
93-41	551	431	379	367	365	316	343	271	256	246	215	210
	539	474	463	434	397	361	420	457	451	458	462	493
93-43	449	345	285	270	265	222	239	221	217	243	203	221
	436	398	379	359	322	298	306	392	340	415	380	387
93-47	408	307	325	313	296	256	248	237	218	230	209	226
	448	389	368	389	367	350	369	346	338	371	342	326
93-58	467	376	352	336	305	274	314	253	237	229	215	247
	471	457	422	439	418	363	408	417	405	444	424	423
93-69	350	187	225	240	282	278	302	286	306	323	301	314
	488	377	339	308	242	254	313	255	268	292	295	318

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, White (cont.)												
94-39	377	292	308	283	233	194	198	186	190	194	181	196
	379	345	378	381	350	335	368	382	358	385	375	355
94-45	441	381	380	364	296	222	181	180	189	191	178	187
	494	476	438	430	413	416	421	402	398	416	401	382
94-74	470	248	221	188	177	175	190	190	212	222	211	226
	534	473	468	440	262	189	228	231	210	215	201	212
94-102	381	348	379	312	194	158	207	180	194	206	199	224
	359	442	504	474	456	345	391	353	324	345	329	337
94-120	351	190	230	212	227	213	236	215	251	234	216	276
	414	322	325	284	277	216	241	236	273	271	251	278
Thermoplastic-Alkyd, Yellow												
93-36	508	401	367	334	321	294	279	260	240	238	192	220
	543	466	444	454	391	394	422	428	412	481	428	440
93-39	261	205	198	201	178	159	154	136	148	222	134	165
	272	244	241	239	225	221	248	231	233	251	207	209
93-40	271	210	205	205	176	142	168	135	141	151	128	148
	312	269	262	242	232	224	262	246	241	248	203	220
93-42	200	157	167	146	139	113	123	113	124	137	116	139
	241	217	210	211	185	162	188	234	202	257	174	203
93-46	138	104	145	144	152	144	160	147	157	158	140	154
	139	143	179	188	197	186	195	191	197	208	183	191
93-59	290	229	248	229	201	188	200	184	182	185	172	174
	296	259	302	297	282	254	291	265	279	275	252	279
93-68	265	152	193	132	135	141	158	153	181	200	181	204
	361	274	293	236	189	139	173	190	161	202	168	191
94-40	311	231	270	261	235	179	167	163	173	173	158	175
	308	283	313	305	307	288	298	290	315	304	286	294
94-42	277	195	223	213	173	143	143	135	150	160	150	167
	327	266	278	277	267	248	252	245	245	233	188	195

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, Yellow (cont.)												
94-46	315	273	263	250	200	148	153	154	166	168	159	169
	328	315	292	290	292	293	301	295	290	283	245	237
94-48	267	237	215	216	176	145	141	138	146	160	144	157
	310	284	265	263	259	245	242	241	244	237	192	199
94-51	247	221	193	191	189	165	166	158	172	181	169	192
	226	218	219	232	315	229	254	213	201	232	206	229
94-71	276	177	163	126	130	132	147	149	159	177	164	186
	314	265	251	236	184	146	153	145	150	165	149	166
94-75	247	133	121	112	123	125	135	137	145	166	156	169
	325	263	246	194	130	121	137	138	141	159	143	159
94-101	259	156	230	197	172	125	181	173	157	171	143	234
	242	225	298	296	331	253	411	320	295	298	251	289
94-103	187	99	148	196	256	178	194	172	204	182	175	239
	217	169	230	198	246	178	297	277	253	275	243	357
94-104	193	162	210	229	223	153	238	174	182	164	145	188
	173	178	252	256	309	220	266	263	262	280	261	251
94-105	175	40	114	96	107	94	127	120	134	177	140	229
	151	77	153	135	126	94	145	125	129	144	132	176
94-118	317	216	222	182	150	136	156	161	165	180	174	186
	363	321	329	317	273	172	205	232	187	226	177	188
94-119	327	222	224	195	167	161	181	173	184	198	179	199
	369	326	342	332	262	198	270	288	263	292	250	246
Thermoplastic-Hydrocarbon, White												
93-32	202	138	157	165	173	180	176	169	171	168	159	155
	248	206	208	180	181	184	192	190	204	224	205	223
93-44	345	277	277	267	246	208	212	213	222	228	212	230
	338	324	323	357	308	292	334	372	327	414	375	325
93-66	447	210	211	188	204	187	250	213	214	227	196	226
	449	361	351	349	243	199	274	249	263	270	234	296

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, White (cont.)												
94-37	423	328	342	235	176	180	202	200	232	239	223	238
	466	406	430	442	375	385	350	404	384	349	295	260
94-43	500	362	323	249	182	173	191	192	211	210	194	203
	488	356	473	473	470	436	385	429	388	414	293	332
94-72	322	224	204	189	181	166	167	168	178	187	175	186
	358	301	307	312	233	197	228	260	238	253	230	225
94-106	321	309	300	226	198	183	210	221	225	231	230	231
	322	420	450	429	296	257	464	387	425	363	366	246
94-121	329	283	308	296	303	286	270	257	258	248	220	223
	316	336	337	345	341	343	358	352	372	385	363	388
Thermoplastic-Hydrocarbon, Yellow												
93-28	209	187	164	125	111	116	131	131	141	149	135	162
	225	182	196	204	145	125	166	185	169	189	166	160
93-29	391	246	180	141	142	142	181	154	164	183	174	194
	386	341	334	310	197	146	235	205	201	213	175	193
93-33	146	117	117	111	118	122	128	129	140	144	127	137
	168	150	148	152	126	125	126	129	142	164	146	167
93-34	177	126	130	126	126	122	124	122	119	118	105	115
	207	186	169	163	142	140	149	147	159	178	162	178
93-45	149	116	144	132	128	115	127	129	141	146	134	152
	162	125	166	181	173	135	152	186	171	196	162	170
93-60	174	82	127	130	154	158	156	156	164	174	162	171
	288	164	148	134	148	144	164	156	171	186	173	198
93-67	204	118	137	138	150	144	153	151	170	172	154	192
	279	178	189	176	160	152	173	179	178	195	179	195
94-38	379	286	306	270	247	207	198	178	180	192	181	195
	403	352	364	360	346	311	339	350	359	370	340	347
94-41	230	126	128	117	130	131	140	141	154	166	150	162
	264	214	239	204	138	126	144	145	159	169	156	171

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, Yellow (cont.)												
94-44	302	263	250	184	127	129	145	148	163	169	156	168
	302	279	270	277	278	260	277	269	280	282	258	272
94-47	254	203	210	152	111	112	122	127	141	151	138	155
	291	246	256	255	242	229	244	231	244	257	208	220
94-49	275	185	148	141	151	156	158	162	171	183	159	177
	280	240	231	217	179	171	171	171	176	207	193	215
94-73	224	111	125	111	113	106	140	118	132	144	130	145
	213	170	192	196	165	137	152	169	171	167	149	166
94-116	426	225	206	198	206	201	206	206	217	225	207	220
	482	386	380	365	247	229	261	297	245	319	278	274
94-117	221	169	193	179	182	167	159	164	165	174	158	169
	230	205	232	227	213	211	217	222	230	244	220	244
Thermoplastic-Preformed, White												
93-37	167	171	226	230	232	231	229	212	214	228	200	198
	244	256	271	239	246	276	283	296	311	332	325	365
93-38	113	196	239	271	302	301	289	267	284	272	276	260
	113	146	212	219	271	294	312	327	347	366	341	386
93-54	259	272	243	246	244	213	224	233	225	221	206	209
	242	288	307	328	321	321	405	368	378	396	390	386
93-55	385	268	189	173	204	198	216	214	227	232	209	253
	451	380	384	380	283	353	412	350	314	375	279	308
94-77	285	264	228	239	256	224	243	237	257	244	209	240
	220	258	274	284	323	308	332	363	372	350	346	369
94-78	276	233	248	232	233	225	236	237	233	256	239	251
	210	232	247	254	273	302	289	305	346	381	366	384
Thermoplastic-Preformed, Yellow												
93-30	113	114	131	133	146	144	143	142	146	153	143	145
	129	135	158	159	167	176	183	191	199	218	201	213

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Preformed, Yellow (cont.)												
93-31	107	83	106	114	121	121	127	121	129	136	127	135
	106	104	108	113	128	147	164	166	174	186	168	196
94-76	340	198	143	138	139	136	149	144	149	173	147	177
	328	311	294	276	242	231	315	241	256	318	264	300
Permanent Tape, White												
93-23	204	210	201	195	181	180	194	168	175	173	157	162
	231	239	241	254	233	241	249	246	247	261	242	262
93-25	368	392	341	323	317	297	290	262	272	238	213	207
	364	385	382	375	361	344	359	344	390	386	341	365
93-26	344	315	312	331	256	238	254	229	215	222	188	195
	341	345	360	346	363	344	342	315	348	356	316	341
93-49	356	321	280	284	277	239	231	215	195	195	166	171
	380	367	377	395	358	321	336	372	336	396	344	346
93-106	835	698	777	750	639	618	610	576	535	528	435	365
	829	767	767	808	804	790	763	772	778	805	742	765
93-108	426	318	316	287	252	256	232	217	219	220	187	195
	407	391	412	409	369	318	367	355	341	408	347	351
94-56	499	205	188	172	168	171	179	174	181	196	178	197
	890	514	485	445	336	297	381	351	356	377	357	364
94-57	483	345	354	329	232	220	256	225	230	220	195	162
	484	466	402	416	377	383	402	379	412	447	357	368
94-68	284	213	230	207	198	197	191	193	199	193	180	183
	321	243	258	274	241	224	273	269	279	278	265	261
94-70	593	395	354	289	286	262	240	247	243	251	216	218
	664	611	565	605	429	378	443	521	522	482	460	444
Permanent Tape, Yellow												
93-17	391	362	353	348	287	285	298	292	281	282	257	251
	308	306	333	328	342	339	338	286	331	338	*318	330

TABLE 9. Reflectivity Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENTS*											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Permanent Tape, Yellow (cont.)												
93-24	144	155	155	154	147	148	150	144	147	150	135	144
	150	181	157	171	165	162	175	174	180	192	185	190
93-27	221	194	190	188	170	172	173	166	171	179	161	166
	245	231	254	252	247	230	272	251	263	291	255	270
93-48	468	368	320	287	231	216	216	228	183	209	169	174
	484	526	444	472	389	368	321	478	387	494	423	426
93-107	514	288	288	217	189	193	183	184	182	215	174	180
	634	558	542	541	429	329	445	480	404	528	466	426
93-109	372	308	307	291	270	266	241	227	241	244	197	207
	377	346	380	369	370	338	359	363	337	394	354	367
94-67	160	104	128	128	128	129	133	135	144	154	134	143
	175	136	162	168	152	149	172	180	192	205	191	192
94-69	214	140	159	142	136	127	131	140	140	154	132	136
	266	218	241	254	192	191	227	231	237	243	238	230
Temporary Tape, White												
93-56	993	530	205	165	148	135	140	146	149	164	140	150
	1053	762	528	347	220	160	184	182	195	204	188	188
Temporary Tape, Yellow												
93-57	781	455	241	166	129	131	131	131	140	149	134	139
	829	714	457	310	240	183	183	172	180	187	170	168
93-64	748	233	170	141	130	125	130	123	136	145	132	136
	858	686	357	252	186	152	167	177	178	192	171	177

* Millicandelas per square foot per footcandle.

** Top number is wheeltrack measurement and bottom number is centerline measurement.

TABLE 10. Reflectivity Data for Removable Tape Lines on Asphalt Pavement (Alabama)

SAMPLE NUMBER		REFLECTIVITY MEASUREMENT (4)						
		INITIAL 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994
Removable Tape, Yellow								
93-18	T-LW (1)	327	140	*	*	*	*	*
	T-C (2)	461	418	*	*	*	*	*
	L (3)	418	361	343	344	326	273	341
93-19	T-LW	381	176	*	*	*	*	*
	T-C	499	491	*	*	*	*	*
	L	516	477	568	470	466	428	403
93-21	T-LW	262	106	*	*	*	*	*
	T-C	319	374	*	*	*	*	*
	L	300	272	351	328	331	300	287
93-22	T-LW	276	122	*	*	*	*	*
	T-C	269	324	*	*	*	*	*
	L	260	340	405	384	344	290	276
93-51	T-LW	384	267	335	287	264	229	249
	T-C	493	506	498	388	382	413	480
	L	493	379	419	413	405	420	413
93-53	T-LW	363	204	244	220	188	183	171
	T-C	438	403	392	368	346	312	281
	L	499	362	397	395	394	332	399
93-62	T-LW	530	260	161	229	116	111	134
	T-C	870	494	272	142	162	163	*
	L	773	742	326	224	219	190	211
93-110	T-LW	256	98	130	120	108	110	106
	T-C	597	392	256	267	186	167	210
	L	578	401	382	368	369	338	348
94-65	T-LW	153	90	139	130	123	125	134
	T-C	264	221	282	277	236	268	246
	L	293	208	265	261	258	267	291
94-80	T-LW	197	115	183	176	157	155	*
	T-C	253	185	241	250	254	201	207
	L	303	239	286	267	272	261	255

TABLE 10. Reflectivity Data for Removable Tape Lines on Asphalt Pavement (Alabama) (continued)

		REFLECTIVITY MEASUREMENT (4)						
SAMPLE NUMBER		INITIAL 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994
Removable Tape, White								
93-16	T-LW	414	127	*	*	*	*	*
	T-C	596	493	*	*	*	*	*
	L	536	401	380	379	325	309	343
93-20	T-LW	449	145	*	*	*	*	*
	T-C	615	536	*	*	*	*	*
	L	562	414	436	447	429	354	318
93-50	T-LW	498	339	401	371	347	335	345
	T-C	676	603	698	647	588	637	620
	L	580	497	530	508	542	555	551
93-52	T-LW	477	285	337	313	298	275	253
	T-C	646	516	530	495	421	415	460
	L	648	482	472	465	462	507	507
93-63	T-LW	385	162	*	*	*	*	*
	T-C	911	358	*	*	*	*	*
	L	940	634	231	205	219	176	174
94-66	T-LW	493	230	273	272	260	241	*
	T-C	656	581	522	599	466	628	*
	L	865	711	701	698	657	635	585
94-79	T-LW	*	*	*	*	*	*	*
	T-C	*	*	*	*	*	*	*
	L	606	560	547	487	438	412	405

- (1) Transverse Stripe - Left Wheel Path
- (2) Transverse Stripe - Centerline
- (3) Longitudinal Stripe - Centerline
- (4) Millicandelas per square foot per footcandle

* Tape Missing

TABLE 11. Reflectivity Data for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama)

			REFLECTIVITY MEASUREMENT (4)						
NOV 1994	SAMPLE NUMBER		INITIAL 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994
Removable Tape, Yellow									
*	93-18	T-LW (1)	589	371	294	270	237	221	407
*		T-C (2)	524	502	481	464	438	332	200
343		L (3)	462	434	488	493	447	370	331
*	93-19	T-LW	511	297	262	*	*	*	*
*		T-C	499	389	428	*	*	*	*
318		L	474	433	509	462	401	350	429
345	93-21	T-LW	302	221	184	164	143	160	143
620		T-C	298	264	306	309	303	290	303
551		L	348	320	367	369	337	302	291
253	93-22	T-LW	333	244	*	*	*	*	*
460		T-C	291	267	*	*	*	*	*
507		L	313	345	404	*	*	*	*
*	93-51	T-LW	447	307	299	294	260	278	256
*		T-C	495	459	481	490	477	475	507
174		L	540	405	441	516	544	429	389
*	93-53	T-LW	419	208	217	196	170	159	147
*		T-C	425	335	380	343	340	322	318
585		L	444	359	390	392	420	343	348
*	93-62	T-LW	772	429	396	294	232	194	173
*		T-C	845	755	749	699	548	464	397
405		L	931	826	307	*	*	*	*
	93-110	T-LW	395	203	175	131	129	124	128
		T-C	727	508	502	353	348	342	299
		L	725	483	464	466	349	291	296
	94-65	T-LW	253	174	184	169	153	176	161
		T-C	334	278	322	309	325	311	357
		L	305	270	292	299	250	241	239
	94-80	T-LW	268	159	194	181	167	155	161
		T-C	285	234	277	223	230	238	218
		L	289	243	261	269	255	226	229

TABLE 10. Reflectivity Data for Removable Tape Lines on Asphalt Pavement (Alabama) (continued)

		REFLECTIVITY MEASUREMENT (4)						
		INITIAL 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994
SAMPLE NUMBER								
Removable Tape, White								
93-16	T-LW	414	127	*	*	*	*	*
	T-C	596	493	*	*	*	*	*
	L	536	401	380	379	325	309	343
93-20	T-LW	449	145	*	*	*	*	*
	T-C	615	536	*	*	*	*	*
	L	562	414	436	447	429	354	318
93-50	T-LW	498	339	401	371	347	335	345
	T-C	676	603	698	647	588	637	620
	L	580	497	530	508	542	555	551
93-52	T-LW	477	285	337	313	298	275	253
	T-C	646	516	530	495	421	415	460
	L	648	482	472	465	462	507	507
93-63	T-LW	385	162	*	*	*	*	*
	T-C	911	358	*	*	*	*	*
	L	940	634	231	205	219	176	174
94-66	T-LW	493	230	273	272	260	241	*
	T-C	656	581	522	599	466	628	*
	L	865	711	701	698	657	635	585
94-79	T-LW	*	*	*	*	*	*	*
	T-C	*	*	*	*	*	*	*
	L	606	560	547	487	438	412	405

- (1) Transverse Stripe - Left Wheel Path
 (2) Transverse Stripe - Centerline
 (3) Longitudinal Stripe - Centerline
 (4) Millicandelas per square foot per footcandle

* Tape Missing

TABLE 11. Reflectivity Data for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama)

		REFLECTIVITY MEASUREMENT (4)						
NOV 1994	SAMPLE NUMBER	INITIAL 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994
Removable Tape, Yellow								
*	93-18	T-LW (1)	589	371	294	270	237	407
*		T-C (2)	524	502	481	464	438	200
343		L (3)	462	434	488	493	447	331
*	93-19	T-LW	511	297	262	*	*	*
*		T-C	499	389	428	*	*	*
318		L	474	433	509	462	401	429
345	93-21	T-LW	302	221	184	164	143	143
620		T-C	298	264	306	309	303	303
551		L	348	320	367	369	337	291
253	93-22	T-LW	333	244	*	*	*	*
460		T-C	291	267	*	*	*	*
507		L	313	345	404	*	*	*
*	93-51	T-LW	447	307	299	294	260	256
*		T-C	495	459	481	490	477	507
174		L	540	405	441	516	544	389
*	93-53	T-LW	419	208	217	196	170	147
*		T-C	425	335	380	343	340	318
585		L	444	359	390	392	420	348
*	93-62	T-LW	772	429	396	294	232	173
*		T-C	845	755	749	699	548	397
405		L	931	826	307	*	*	*
	93-110	T-LW	395	203	175	131	129	128
		T-C	727	508	502	353	348	299
		L	725	483	464	466	349	296
	94-65	T-LW	253	174	184	169	153	161
		T-C	334	278	322	309	325	357
		L	305	270	292	299	250	239
	94-80	T-LW	268	159	194	181	167	161
		T-C	285	234	277	223	230	218
		L	289	243	261	269	255	229

TABLE 11. Reflectivity Data for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama) (continued)

		REFLECTIVITY MEASUREMENT (4)						
SAMPLE NUMBER		INITIAL 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994
Removable Tape, White								
93-16	T-LW	592	327	159	131	131	133	143
	T-C	674	587	545	490	382	343	370
	L	533	478	460	485	399	383	372
93-20	T-LW	511	252	*	*	*	*	*
	T-C	537	474	*	*	*	*	*
	L	637	575	577	581	489	420	467
93-50	T-LW	613	474	504	442	402	384	402
	T-C	634	590	660	623	658	590	655
	L	632	591	542	619	614	491	538
93-52	T-LW	535	338	281	283	240	200	326
	T-C	588	402	469	477	476	427	482
	L	589	497	500	565	565	442	563
93-63	T-LW	790	212	349	165	249	213	190
	T-C	943	708	355	428	556	366	348
	L	1003	806	750	*	*	*	*
94-66	T-LW	655	399	366	314	287	263	290
	T-C	793	776	718	646	694	652	715
	L	821	788	744	829	581	548	499
94-79	T-LW	*	*	*	*	*	*	*
	T-C	*	*	*	*	*	*	*
	L	610	542	585	589	504	418	350

- (1) Transverse Stripe - Left Wheel Path
 (2) Transverse Stripe - Centerline
 (3) Longitudinal Stripe - Centerline
 (4) Millicandelas per square foot per footcandle

* Tape Missing

TABLE 12. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec)												
93-3	10.0	10.0	9.2	9.0	8.8	7.7	8.2	8.3	5.5	4.3	6.2	4.2
93-12	10.0	10.0	9.3	9.3	9.3	8.5	8.5	8.5	6.5	5.5	6.8	4.8
93-75	10.0	9.7	8.5	8.3	8.6	8.1	8.2	7.7	6.5	5.8	7.3	5.3
93-77	10.0	9.8	9.2	8.4	8.5	8.3	8.3	8.0	6.8	6.0	7.4	5.4
93-79	10.0	10.0	9.5	9.2	9.0	8.9	8.5	8.2	7.2	6.5	7.7	5.9
93-95	10.0	10.0	9.8	9.6	9.7	9.3	9.4	9.2	6.7	5.5	7.1	4.9
93-99	10.0	10.0	9.5	9.5	9.5	9.7	9.4	9.2	7.9	6.9	8.3	6.5
93-101	10.0	10.0	9.5	9.8	9.5	9.3	8.8	8.7	8.2	7.2	8.5	6.8
93-113	10.0	9.5	8.6	7.8	8.4	7.3	7.5	7.3	7.3	6.4	7.7	6.2
94-1	10.0	9.7	8.9	8.7	8.8	8.6	8.4	7.8	6.8	5.7	7.2	4.9
94-3	10.0	10.0	9.0	9.0	9.0	8.5	8.3	7.9	7.0	5.9	7.2	5.7
94-33	10.0	9.8	9.3	8.8	8.7	7.8	8.0	7.5	5.7	4.3	6.8	3.6
94-87	10.0	10.0	9.8	9.3	9.5	9.4	9.3	8.5	7.8	6.0	8.2	5.5
94-93	10.0	10.0	10.0	9.7	9.5	9.3	9.3	8.7	8.5	6.5	8.3	5.8
94-113	10.0	10.0	9.5	9.7	9.3	9.0	9.0	8.9	7.8	6.5	8.5	6.0
Paint-Solvent, Yellow (60 sec)												
93-4	10.0	10.0	9.9	9.8	9.4	8.8	8.9	8.7	7.0	5.8	7.5	4.8
93-10	10.0	9.8	8.9	9.2	8.2	7.5	7.9	7.5	5.7	4.2	5.7	3.5
93-13	10.0	10.0	9.8	9.7	9.3	8.2	8.3	8.2	6.3	5.3	6.8	4.7
93-76	10.0	9.7	8.6	8.2	8.7	7.8	7.8	8.0	6.7	5.8	7.2	5.3
93-78	10.0	9.3	8.7	8.3	8.6	7.9	8.2	7.8	6.6	5.9	7.5	5.5
93-80	10.0	10.0	9.8	9.7	9.3	9.1	8.8	8.7	7.1	6.4	7.8	5.8
93-93	10.0	10.0	9.8	9.8	9.7	9.3	9.3	9.3	8.6	7.5	9.0	6.8
93-94	10.0	10.0	9.8	8.8	9.5	9.2	9.4	9.3	8.4	7.2	8.7	6.2
93-98	10.0	10.0	10.0	10.0	9.7	9.3	9.5	9.2	8.2	7.0	8.5	6.3

TABLE 12. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, Yellow (60 sec) (cont.)												
93-100	10.0	10.0	10.0	10.0	9.7	9.3	9.4	9.3	7.7	6.7	8.1	6.2
93-112	10.0	9.8	8.8	8.6	8.5	7.8	7.9	7.5	6.0	5.0	6.4	4.5
94-2	10.0	9.8	9.3	9.4	9.0	7.8	8.7	8.2	6.8	6.0	7.2	5.5
94-4	10.0	10.0	9.6	9.7	9.4	8.6	9.0	8.7	7.1	6.3	8.0	5.5
94-30	10.0	10.0	9.5	9.5	9.2	8.5	8.8	8.5	7.0	5.8	7.8	5.2
94-83	10.0	10.0	10.0	10.0	9.6	9.2	9.2	8.5	7.5	6.8	8.3	5.7
94-85	10.0	10.0	10.0	10.0	9.5	9.3	9.0	9.2	7.8	7.2	8.5	6.0
94-96	10.0	10.0	9.6	9.8	9.5	9.0	9.2	9.2	8.3	7.8	8.7	7.1
94-112	10.0	10.0	9.5	9.4	9.4	9.1	9.3	9.0	8.7	8.3	8.8	7.6
Paint-Solvent, White (90 sec)												
94-95	10.0	9.7	9.7	9.7	9.7	9.3	9.2	8.7	8.7	7.3	9.0	6.9
Paint-Solvent, Yellow (90 sec)												
94-100	10.0	10.0	9.8	10.0	9.6	9.0	9.2	9.3	8.5	7.8	9.2	7.2
Paint-Water, White (60 sec)												
93-1	10.0	7.7	7.4	7.5	7.1	6.8	6.9	5.8	5.6	4.8	5.8	4.1
93-14	10.0	10.0	9.8	9.7	9.7	9.4	9.6	9.8	8.9	7.6	9.5	8.2
93-81	10.0	8.7	8.3	8.2	8.4	8.3	8.1	7.6	6.5	5.9	7.6	5.6
93-84	10.0	10.0	10.0	10.0	9.5	9.1	9.3	9.3	9.1	8.2	9.2	8.1
93-87	10.0	10.0	9.7	9.7	9.5	9.3	9.3	9.3	7.9	7.0	8.8	6.7
93-92	10.0	10.0	9.4	9.7	9.7	9.0	9.3	9.0	8.6	7.5	9.2	6.8
93-97	10.0	8.0	7.4	7.5	7.8	7.5	7.3	6.7	6.8	6.0	7.6	5.3
93-103	10.0	9.7	9.5	9.7	9.5	9.2	9.0	8.3	8.5	7.8	9.0	7.4
94-5	10.0	10.0	9.5	9.6	9.7	9.1	9.2	9.0	8.8	7.5	8.5	7.1
94-8	10.0	9.8	9.1	9.3	8.9	8.7	9.1	8.8	7.8	6.7	8.8	6.8
94-12	10.0	9.2	8.0	8.0	8.5	8.0	8.8	7.8	6.4	6.0	8.2	5.5

TABLE 12. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)												
94-15	10.0	9.8	9.2	9.7	9.4	9.0	9.3	8.7	7.5	6.7	8.8	6.8
94-21	10.0	10.0	9.2	9.7	9.3	9.0	9.3	8.7	7.9	6.5	8.8	6.8
94-26	10.0	10.0	9.7	9.7	9.7	8.9	9.3	8.8	8.7	6.7	8.7	6.7
94-28	10.0	10.0	9.6	9.8	9.6	9.0	9.3	8.3	7.7	6.3	7.7	5.6
94-31	10.0	7.2	6.7	6.8	6.5	6.3	6.2	5.6	5.4	4.7	5.3	3.5
94-88	10.0	10.0	9.7	9.8	9.5	9.2	8.9	8.3	8.2	6.7	8.2	6.3
94-92	10.0	9.2	8.6	8.3	8.4	8.3	8.3	7.7	6.4	5.3	7.0	4.8
94-94	10.0	6.2	6.2	7.3	6.3	5.8	5.4	5.0	4.7	3.6	4.0	2.6
94-107	10.0	10.0	9.7	10.0	9.7	9.3	9.6	9.2	8.7	7.7	9.5	8.4
94-114	10.0	8.0	7.0	6.9	6.8	6.2	6.6	5.4	6.1	5.7	6.8	4.3
94-123	10.0	9.8	9.5	9.3	9.0	8.7	9.2	9.3	8.8	7.4	8.8	7.0
94-124	10.0	10.0	9.8	9.7	9.5	9.3	9.3	9.5	8.9	7.8	9.0	7.4
Paint-Water, Yellow (60 sec)												
93-2	10.0	10.0	9.3	9.5	9.4	9.0	9.3	9.0	7.8	6.8	8.5	6.5
93-8	10.0	10.0	9.1	8.8	8.8	8.4	8.5	7.5	7.0	6.3	6.9	5.4
93-15	10.0	10.0	9.7	10.0	9.7	9.4	9.7	9.3	8.8	7.8	9.3	8.1
93-82	10.0	9.3	8.5	8.1	8.5	8.2	8.1	7.7	6.9	6.2	8.1	6.2
93-83	10.0	9.7	8.5	8.5	8.4	7.9	8.7	8.4	7.8	6.8	8.8	7.0
93-85	10.0	10.0	9.8	10.0	9.7	9.7	9.7	9.8	8.6	8.0	9.1	7.8
93-86	10.0	10.0	9.8	9.8	9.5	8.5	8.8	8.3	7.9	7.1	8.9	6.8
93-88	10.0	9.7	8.5	8.7	8.7	8.1	8.8	8.6	7.8	7.1	8.8	7.0
93-89	10.0	9.7	9.2	8.8	8.8	8.3	8.8	9.0	8.2	7.4	8.9	7.3
93-90	10.0	10.0	9.8	10.0	9.7	9.2	9.4	9.3	8.7	8.0	9.3	8.2
93-91	10.0	10.0	9.8	10.0	9.7	9.5	9.8	9.7	8.8	7.8	9.3	8.0
93-96	10.0	6.7	6.3	5.6	6.5	5.7	6.4	5.8	5.2	4.3	6.1	4.0

TABLE 12. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
93-102	10.0	10.0	9.8	9.8	9.7	9.7	9.5	8.8	8.3	7.4	8.8	7.3
93-104	10.0	10.0	9.7	10.0	9.7	9.7	9.6	9.4	7.3	6.8	8.2	6.6
93-105	10.0	8.2	7.6	6.3	7.3	6.7	7.4	7.2	7.6	7.3	8.3	7.5
94-6	10.0	10.0	9.8	10.0	9.8	9.5	9.7	9.7	9.7	8.8	9.3	8.8
94-7	10.0	10.0	9.9	9.9	9.7	8.8	9.0	8.5	8.1	7.0	8.0	6.7
94-9	10.0	9.5	8.7	8.4	8.7	8.4	8.5	8.1	7.0	6.4	8.0	6.3
94-10	10.0	9.5	8.7	8.5	8.8	8.1	8.8	8.2	6.9	6.4	8.5	6.6
94-11	10.0	9.7	9.2	9.2	9.1	8.7	9.1	8.5	7.5	6.8	8.1	6.7
94-13	10.0	10.0	9.4	9.6	9.5	9.3	9.3	9.3	8.6	7.7	9.0	7.5
94-14	10.0	9.2	7.9	7.7	8.0	7.5	7.9	7.8	6.7	6.3	7.6	5.9
94-16	10.0	10.0	9.2	9.1	8.8	9.0	8.9	9.0	8.2	7.3	9.0	7.5
94-17	10.0	10.0	9.0	8.8	8.9	7.8	8.6	8.3	7.2	6.7	7.8	6.7
94-22	10.0	9.2	8.0	8.0	8.1	7.8	8.0	7.8	6.8	6.3	7.7	6.0
94-23	10.0	10.0	8.8	8.8	8.8	7.9	8.6	8.3	7.0	6.5	7.8	6.5
94-27	10.0	10.0	9.8	9.9	9.6	9.0	9.3	9.2	8.1	7.3	9.0	7.4
94-29	10.0	10.0	9.7	9.6	9.6	9.1	9.4	9.0	8.7	7.8	9.4	7.7
94-32	10.0	9.7	8.0	8.1	7.6	7.2	7.3	6.7	6.1	5.2	6.2	4.8
94-82	10.0	7.0	6.5	5.6	6.6	5.9	6.4	6.0	5.0	4.0	5.6	3.7
94-84	10.0	10.0	9.8	10.0	9.7	9.8	9.4	9.2	8.8	8.2	8.9	7.8
94-86	10.0	8.0	6.9	6.2	7.1	6.2	7.0	6.7	5.3	4.7	6.2	4.7
94-91	10.0	10.0	9.8	9.9	9.7	9.8	9.7	9.6	9.3	8.8	9.5	8.6
94-97	10.0	7.7	6.3	6.5	6.5	5.9	6.2	4.4	4.9	4.1	4.5	3.4
94-98	10.0	8.7	7.8	7.7	7.8	6.8	7.5	7.7	6.2	6.0	6.8	5.5
94-108	10.0	10.0	9.8	9.7	9.6	9.5	9.5	9.4	9.0	8.5	9.3	7.7
94-109	10.0	10.0	9.8	9.8	9.7	9.8	9.7	9.7	9.1	8.4	9.5	8.3

TABLE 12. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
94-110	10.0	10.0	9.8	9.6	9.7	9.3	9.4	9.2	8.8	6.9	9.0	6.9
94-111	10.0	10.0	10.0	9.8	9.7	9.7	9.6	9.5	9.1	7.9	9.4	7.9
94-115	10.0	10.0	8.1	8.1	7.8	7.4	8.2	8.1	7.3	6.0	7.8	6.0
94-122	10.0	9.5	7.5	7.0	7.7	6.6	7.3	7.6	6.0	5.2	6.8	5.1
94-125	10.0	9.7	7.4	7.2	7.6	6.3	7.3	7.7	6.2	5.5	7.3	5.4
Paint-Water, Yellow (90 sec)												
94-19	10.0	10.0	10.0	10.0	9.7	9.3	9.4	9.3	9.0	8.5	9.2	8.2
Paint-Water, Yellow (180 sec)												
94-20	10.0	10.0	9.8	10.0	9.8	9.8	9.6	9.3	9.2	8.8	9.3	8.8
Paint-Polyester, White												
93-5	10.0	7.5	4.3	3.5	3.2	2.2	2.1	2.1	2.3	2.0	1.3	0.8
93-70	10.0	8.2	8.0	7.7	7.5	7.1	7.1	6.5	6.1	4.4	4.9	3.7
93-73	10.0	9.0	8.5	8.6	8.6	8.2	8.0	7.0	5.3	4.3	5.0	3.0
94-24	10.0	9.7	8.7	8.6	8.8	7.8	8.0	7.4	7.0	6.3	7.2	6.1
94-81	10.0	8.3	7.7	7.3	7.3	6.7	6.8	6.2	5.5	4.5	6.3	4.2
Paint-Polyester, Yellow												
93-6	10.0	9.5	8.8	7.9	8.1	8.2	8.0	7.0	6.3	5.8	7.3	5.4
93-7	10.0	9.2	7.8	6.6	7.4	7.2	7.4	6.5	5.5	5.7	6.5	4.5
93-71	10.0	8.7	7.5	7.0	7.3	6.5	7.4	6.1	5.2	4.1	4.1	2.0
93-72	10.0	8.3	7.2	6.7	6.9	6.3	6.5	5.8	5.6	4.8	5.0	3.0
93-74	10.0	7.5	6.6	6.2	6.1	5.7	5.8	5.5	5.2	4.2	5.5	3.5
94-25	10.0	9.2	8.0	7.2	7.5	6.8	6.8	6.5	5.7	4.8	6.3	4.2
94-34	10.0	8.1	5.7	4.4	3.9	3.5	3.5	2.8	3.0	3.0	3.1	1.4
94-35	10.0	9.2	7.7	6.7	7.0	7.0	7.3	6.7	5.5	5.0	6.7	4.6
94-36	10.0	9.0	8.3	8.0	7.7	7.4	6.8	5.9	5.9	4.8	6.5	3.5

TABLE 12. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Polyester, Yellow (cont.)												
94-89	10.0	2.8	2.2	2.0	1.6	1.2	1.3	0.9	0.8	0.7	0.8	0.0
94-90	10.0	2.4	1.5	0.9	1.5	1.2	1.0	1.2	1.2	0.8	0.8	0.2
Paint-Multipolymer, White												
93-61	10.0	9.7	9.8	9.8	9.7	8.8	8.8	8.8	8.3	8.0	8.4	8.2
Paint-Multipolymer, Yellow												
93-114	10.0	9.7	9.3	8.8	9.4	8.5	8.5	8.5	8.4	7.7	8.4	7.3
Thermoplastic-Alkyd, White												
93-35	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	10.0	9.8	9.9	9.6
93-41	10.0	10.0	9.7	9.7	10.0	9.8	9.7	10.0	10.0	9.8	10.0	9.8
93-43	10.0	10.0	10.0	10.0	9.8	10.0	9.7	9.8	10.0	9.3	10.0	9.8
93-47	10.0	9.8	9.7	9.7	9.8	9.8	9.7	10.0	10.0	9.7	10.0	10.0
93-58	10.0	10.0	9.8	9.8	10.0	10.0	9.8	10.0	10.0	9.7	10.0	9.8
93-69	10.0	10.0	9.8	9.8	10.0	9.8	9.7	10.0	7.5	6.6	7.3	6.8
94-39	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0	10.0	9.7	10.0	9.8
94-45	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0	10.0	9.7	10.0	9.8
94-74	10.0	10.0	9.7	9.8	10.0	10.0	9.7	10.0	10.0	9.7	10.0	9.8
94-102	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	10.0
94-120	10.0	10.0	9.8	9.8	10.0	10.0	9.7	10.0	10.0	9.8	9.8	9.7
Thermoplastic-Alkyd, Yellow												
93-36	10.0	10.0	9.8	9.8	10.0	9.8	9.7	10.0	10.0	9.8	10.0	9.8
93-39	10.0	10.0	10.0	10.0	9.8	10.0	9.8	10.0	10.0	9.8	10.0	10.0
93-40	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0
93-42	10.0	10.0	10.0	10.0	10.0	10.0	9.3	9.8	10.0	9.3	10.0	9.9
93-46	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0
93-59	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.5	10.0	9.9

TABLE 12. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, Yellow (cont.)												
93-68	10.0	10.0	9.8	10.0	10.0	10.0	9.8	10.0	10.0	9.8	9.8	9.8
94-40	10.0	10.0	9.8	9.8	10.0	10.0	9.7	10.0	10.0	9.7	9.7	9.8
94-42	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	9.8
94-46	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.4	9.9	9.7
94-48	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	10.0	9.3	9.7
94-51	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0	10.0	9.8	10.0	10.0
94-71	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0
94-75	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0	10.0	9.8	10.0	10.0
94-101	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	9.8
94-103	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	9.7	9.7
94-104	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	9.9
94-105	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	10.0
94-118	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0	10.0	9.8	10.0	9.7
94-119	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	10.0	9.8	10.0	9.7
Thermoplastic-Hydrocarbon, White												
93-32	10.0	10.0	9.8	9.7	10.0	9.7	9.4	9.3	9.0	8.1	9.2	8.0
93-44	10.0	9.8	9.7	9.7	9.8	9.9	9.8	10.0	10.0	9.8	10.0	9.9
93-66	10.0	10.0	9.8	9.7	10.0	9.8	9.7	10.0	10.0	9.5	10.0	9.6
94-37	10.0	10.0	9.7	10.0	9.2	9.6	9.5	10.0	10.0	9.3	9.8	9.9
94-43	10.0	10.0	9.8	10.0	10.0	10.0	9.8	9.2	10.0	9.5	10.0	9.6
94-72	10.0	8.8	8.0	7.9	7.0	6.8	7.4	6.3	5.7	5.2	6.7	4.3
94-106	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	10.0
94-121	10.0	9.3	9.0	9.0	9.1	8.4	8.5	8.5	8.0	6.9	7.8	6.5
Thermoplastic-Hydrocarbon, Yellow												
93-28	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.8	10.0	10.0

TABLE 12. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, Yellow (cont.)												
93-29	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0	10.0	9.8	10.0	10.0
93-33	10.0	10.0	9.8	9.6	9.4	9.0	9.1	8.5	7.7	7.6	8.3	7.0
93-34	10.0	10.0	9.5	9.5	9.3	8.8	8.5	8.2	8.0	7.8	8.7	7.0
93-45	10.0	9.9	9.8	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	10.0
93-60	10.0	10.0	9.8	9.9	10.0	10.0	9.8	10.0	9.8	9.4	9.8	9.9
93-67	10.0	9.8	9.7	10.0	10.0	10.0	9.7	10.0	10.0	9.6	9.8	9.6
94-38	10.0	10.0	9.7	9.8	10.0	10.0	9.8	10.0	10.0	9.7	9.9	10.0
94-41	10.0	10.0	9.8	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	10.0
94-44	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.2	9.4	8.7	9.6	8.8
94-47	10.0	10.0	10.0	9.9	10.0	10.0	10.0	9.6	10.0	8.7	9.6	9.6
94-49	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	10.0
94-73	10.0	10.0	10.0	9.6	9.6	9.9	9.5	9.3	9.5	8.6	9.0	8.3
94-116	10.0	9.7	9.8	9.7	10.0	9.8	9.7	10.0	10.0	9.6	10.0	9.8
94-117	10.0	9.9	9.7	9.7	9.7	9.7	9.3	9.4	9.4	8.7	9.6	8.7
Thermoplastic-Preformed, White												
93-37	10.0	10.0	9.8	10.0	9.8	10.0	10.0	10.0	10.0	9.8	10.0	10.0
93-38	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.8	10.0	10.0
93-54	10.0	10.0	10.0	10.0	9.8	10.0	9.7	9.8	10.0	9.8	10.0	10.0
93-55	10.0	10.0	10.0	10.0	9.8	10.0	9.7	9.8	9.7	9.5	9.7	9.4
94-77	10.0	10.0	10.0	9.8	9.8	10.0	9.7	10.0	10.0	9.8	10.0	10.0
94-78	10.0	10.0	10.0	10.0	9.8	10.0	9.7	10.0	10.0	9.8	10.0	10.0
Thermoplastic-Preformed, Yellow												
93-30	10.0	10.0	9.8	10.0	10.0	10.0	9.7	9.8	10.0	8.8	9.5	10.0
93-31	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.8	10.0	10.0
94-76	10.0	10.0	10.0	10.0	9.8	10.0	9.7	10.0	10.0	9.8	10.0	10.0

TABLE 12. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Permanent Tape, White												
93-23	10.0	8.5	*	*	*	*	*	*	*	*	*	*
93-25	10.0	10.0	*	*	*	*	*	*	*	*	*	*
93-26	10.0	6.7	*	*	*	*	*	*	*	*	*	*
93-49	10.0	10.0	9.8	9.8	10.0	10.0	9.7	10.0	10.0	9.5	10.0	9.9
93-106	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	9.8	9.7	10.0	10.0
93-108	10.0	10.0	9.8	10.0	9.7	9.7	9.5	10.0	10.0	9.3	9.8	9.9
94-56	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0	10.0
94-57	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0	10.0
94-68	10.0	10.0	9.8	9.9	10.0	9.8	9.7	10.0	10.0	9.7	9.8	9.8
94-70	10.0	9.8	9.5	9.8	10.0	9.8	9.7	10.0	10.0	9.5	9.8	9.8
Permanent Tape, Yellow												
93-17	10.0	10.0	*	*	*	*	*	*	*	*	*	*
93-24	10.0	10.0	*	*	*	*	*	*	*	*	*	*
93-27	10.0	9.6	*	*	*	*	*	*	*	*	*	*
93-48	10.0	10.0	9.8	9.8	10.0	10.0	9.7	10.0	10.0	9.5	10.0	9.9
93-107	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.4	9.8	9.8
93-109	10.0	10.0	10.0	10.0	9.8	9.7	9.8	9.8	7.8	7.2	8.2	7.3
94-67	10.0	10.0	9.8	9.8	10.0	9.8	9.7	10.0	10.0	9.7	9.8	10.0
94-69	10.0	9.8	9.8	9.8	10.0	10.0	9.7	10.0	10.0	9.7	9.8	10.0
Temporary Tape, White												
93-56	10.0	9.7	9.7	9.5	9.7	9.0	9.0	8.7	8.1	7.9	8.3	7.3
Temporary Tape, Yellow												
93-57	10.0	9.7	9.3	8.7	8.8	8.3	8.0	7.8	7.4	7.1	7.8	7.0
93-64	10.0	9.8	9.0	8.5	8.7	8.0	7.8	7.8	8.5	8.2	8.5	7.9

* Tape missing.

TABLE 13. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec)												
93-3	10.0	10.0	9.7	9.8	9.8	9.5	9.0	8.6	7.9	7.8	6.3	4.2
93-12	10.0	10.0	9.3	9.3	8.5	8.0	7.8	6.7	6.3	6.2	4.4	3.2
93-75	10.0	10.0	9.7	9.5	9.3	9.4	9.2	6.8	8.5	8.2	7.5	6.2
93-77	10.0	10.0	9.3	9.5	9.6	9.3	9.3	8.8	8.6	8.6	7.4	6.6
93-79	10.0	10.0	9.8	9.3	9.7	9.3	9.3	8.8	8.5	8.2	7.3	6.5
93-95	10.0	10.0	9.5	9.8	9.7	9.3	9.5	8.8	9.0	9.0	8.3	7.6
93-99	10.0	10.0	9.3	9.5	9.5	8.5	7.8	6.9	6.2	6.3	4.3	3.0
93-101	10.0	10.0	9.4	9.5	9.7	8.6	8.3	6.8	6.3	6.5	4.5	3.0
93-113	10.0	10.0	9.8	9.8	9.5	8.8	8.7	7.6	7.8	7.1	6.5	4.8
94-1	10.0	10.0	9.7	9.7	9.6	9.3	9.3	9.0	8.8	8.4	7.8	6.3
94-3	10.0	10.0	9.6	9.5	9.6	9.5	9.4	9.0	8.9	8.9	8.3	6.9
94-33	10.0	10.0	9.7	9.8	9.8	9.8	9.0	8.5	8.1	8.0	6.7	4.4
94-87	10.0	10.0	9.7	9.5	9.9	8.5	7.8	6.7	6.5	6.3	4.8	3.2
94-93	10.0	10.0	9.8	9.7	9.7	8.4	7.8	6.8	6.7	6.3	5.2	3.3
94-99	10.0	10.0	10.0	9.8	10.0	9.8	9.7	8.8	9.3	9.1	8.5	7.5
94-113	10.0	10.0	9.7	10.0	9.8	9.5	9.6	9.0	9.2	9.3	9.1	8.7
Paint-Solvent, Yellow (60 sec)												
93-4	10.0	10.0	10.0	10.0	9.8	10.0	9.7	9.1	8.6	8.8	7.0	6.5
93-10	10.0	10.0	10.0	9.7	9.5	9.0	9.0	8.3	7.9	7.1	7.0	4.3
93-13	10.0	10.0	10.0	9.7	9.7	9.3	9.0	7.7	8.2	7.9	7.5	5.2
93-76	10.0	10.0	9.9	9.8	9.8	9.5	9.7	8.9	9.2	8.7	8.3	7.8
93-78	10.0	10.0	10.0	10.0	9.9	9.8	9.7	9.3	9.3	9.2	8.5	8.0
93-80	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.0	9.5	9.4	9.2	7.8
93-93	10.0	10.0	10.0	9.9	9.6	9.6	9.3	8.8	9.0	8.8	8.3	7.8
93-94	10.0	10.0	9.8	9.9	9.8	9.6	9.3	9.0	8.9	8.9	8.3	8.1

TABLE 13. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, Yellow (60 sec) (cont.)												
93-98	10.0	10.0	10.0	10.0	9.9	9.2	8.3	7.7	7.3	6.8	6.3	4.4
93-100	10.0	10.0	10.0	10.0	10.0	9.7	8.7	8.3	7.8	7.5	6.5	5.0
93-112	10.0	10.0	9.0	9.3	9.1	8.8	8.8	7.8	8.3	7.6	6.8	5.9
94-2	10.0	10.0	9.8	9.9	9.8	9.8	9.7	9.0	9.3	9.0	8.3	8.2
94-4	10.0	10.0	9.9	9.8	9.8	9.5	9.7	9.5	9.5	9.2	8.9	8.5
94-30	10.0	10.0	10.0	10.0	9.8	10.0	9.7	9.4	9.0	8.8	7.4	6.7
94-83	10.0	10.0	10.0	8.6	9.1	8.5	7.7	6.9	6.5	6.2	5.8	3.8
94-85	10.0	10.0	10.0	9.9	9.8	8.8	8.3	7.8	7.2	6.8	6.5	4.3
94-96	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.2	9.6	9.3	9.0	8.6
94-100	10.0	10.0	10.0	10.0	9.8	9.7	9.7	9.3	9.5	9.2	9.0	8.3
94-112	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.3	9.2	9.7	8.8	8.8
Paint-Solvent, White (90 sec)												
94-95	10.0	10.0	9.8	9.8	10.0	9.8	9.7	8.9	9.3	9.0	9.0	7.7
Paint-Water, White (60 sec)												
93-1	10.0	9.8	9.6	9.8	9.5	9.5	9.7	8.6	9.0	8.8	7.5	7.0
93-14	10.0	10.0	9.7	9.8	9.8	9.5	9.7	8.3	9.4	8.9	8.8	7.6
93-81	10.0	9.8	9.7	9.7	9.8	9.7	9.7	9.5	9.6	9.5	8.7	8.6
93-84	10.0	9.6	9.6	9.4	9.8	9.4	9.6	8.5	9.0	9.3	8.0	7.9
93-87	10.0	10.0	9.5	9.5	9.7	9.5	9.5	9.4	9.6	9.4	8.3	7.0
93-92	10.0	9.1	8.8	8.5	8.8	8.4	8.8	7.8	8.4	7.9	7.7	6.3
93-97	10.0	7.6	7.0	6.3	6.3	6.5	6.5	5.3	6.1	4.9	3.7	2.5
93-103	10.0	10.0	9.5	9.7	9.6	9.7	9.5	8.8	9.0	8.8	8.3	7.4
94-5	10.0	10.0	9.7	9.8	9.8	9.7	9.6	9.2	9.0	9.3	8.3	7.9
94-8	10.0	9.8	9.7	9.7	9.6	9.8	9.5	9.5	9.2	9.5	8.0	8.4
94-12	10.0	10.0	9.7	9.7	9.7	9.7	9.6	9.0	9.0	9.0	7.7	6.4

TABLE 13. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)												
94-15	10.0	9.7	9.6	9.8	9.7	9.7	9.4	9.5	9.4	9.3	8.5	8.2
94-21	10.0	9.8	9.7	9.8	9.6	9.7	9.5	9.5	9.4	9.2	8.7	8.2
94-26	10.0	10.0	9.5	9.7	9.7	9.4	9.5	8.7	8.9	9.0	7.8	6.5
94-28	10.0	9.5	9.3	9.3	9.3	9.2	9.0	8.2	8.7	8.2	7.3	5.5
94-31	10.0	9.8	9.7	9.6	9.8	9.7	9.5	8.7	8.2	8.6	7.0	5.7
94-88	10.0	10.0	9.7	9.7	9.7	9.5	9.5	8.8	8.5	8.6	8.0	6.9
94-92	10.0	8.8	8.2	7.7	8.1	7.4	7.7	6.8	6.5	5.8	4.8	3.3
94-94	10.0	9.8	9.7	9.3	9.6	9.5	9.5	9.1	8.5	9.1	7.8	6.9
94-107	10.0	10.0	9.7	10.0	9.8	9.7	9.7	9.8	9.3	9.2	8.8	7.8
94-114	10.0	9.8	9.8	9.8	9.7	9.8	9.5	9.3	9.5	9.4	8.8	8.8
94-123	10.0	9.8	9.8	9.7	9.8	9.5	9.3	9.0	9.4	9.2	8.4	7.5
94-124	10.0	9.8	9.7	9.8	9.7	9.5	9.5	8.7	9.0	9.2	7.5	6.7
Paint-Water, Yellow (60 sec)												
93-2	10.0	10.0	10.0	10.0	9.8	9.5	9.7	8.8	8.7	8.8	7.8	7.8
93-8	10.0	10.0	10.0	10.0	9.8	9.6	9.5	7.3	8.7	8.8	7.5	7.5
93-15	10.0	10.0	10.0	10.0	9.8	9.7	9.7	8.7	9.8	8.9	9.3	8.5
93-82	10.0	8.3	8.3	8.3	8.0	7.8	7.8	8.1	7.5	7.3	6.5	5.7
93-83	10.0	9.5	9.4	9.3	8.9	9.1	9.1	8.2	8.7	8.6	8.0	7.9
93-85	10.0	10.0	9.8	9.8	9.8	9.7	9.7	9.3	9.8	9.6	8.8	8.8
93-86	10.0	10.0	10.0	9.8	9.9	9.6	9.7	9.2	9.3	9.2	8.5	8.3
93-88	10.0	9.4	9.4	9.5	9.3	9.0	9.0	8.8	8.9	8.9	8.3	8.1
93-89	10.0	9.2	9.2	9.0	9.0	8.8	8.9	8.1	8.7	8.5	7.5	7.4
93-90	10.0	8.9	8.7	8.3	8.3	8.0	8.0	7.7	7.8	7.5	6.9	6.8
93-91	10.0	9.0	9.2	9.3	9.2	9.0	9.2	8.7	9.0	8.7	8.5	7.8
93-96	10.0	6.8	6.3	5.9	6.3	5.8	5.8	5.2	5.4	5.3	4.2	3.4

TABLE 13. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
93-102	10.0	10.0	10.0	9.6	9.5	9.4	9.5	8.8	8.6	8.8	7.8	7.3
93-104	10.0	10.0	10.0	10.0	9.8	9.5	9.5	9.3	9.5	9.5	8.6	8.4
93-105	10.0	7.0	6.8	6.8	7.0	6.2	6.7	6.0	5.8	5.8	4.3	3.8
94-6	10.0	10.0	9.9	9.8	9.8	9.3	9.7	9.3	9.7	9.2	8.8	8.5
94-7	10.0	10.0	10.0	10.0	10.0	9.8	9.5	9.5	9.7	9.3	8.8	8.4
94-9	10.0	9.0	9.1	9.0	8.9	8.5	8.7	8.2	8.3	7.8	7.3	7.1
94-10	10.0	9.2	9.0	9.1	8.8	8.7	8.8	8.1	8.2	8.0	7.2	6.7
94-11	10.0	9.6	9.7	9.8	9.6	9.3	9.5	9.0	9.0	8.7	8.0	7.5
94-13	10.0	9.8	9.6	9.8	9.6	9.3	9.5	8.4	9.3	8.8	8.3	8.3
94-14	10.0	9.5	9.5	9.1	9.1	8.8	9.3	8.8	8.5	8.3	6.8	6.5
94-16	10.0	10.0	9.7	10.0	9.7	9.5	9.6	8.9	9.0	9.2	9.0	8.5
94-17	10.0	9.5	9.6	9.8	9.6	9.3	9.3	8.5	9.1	9.1	8.7	8.3
94-22	10.0	10.0	9.2	9.1	9.1	8.9	9.0	8.4	8.5	8.1	6.3	6.2
94-23	10.0	9.8	9.7	9.7	9.7	9.3	9.5	9.1	9.0	8.9	8.2	8.3
94-27	10.0	9.7	9.8	10.0	9.7	9.4	9.4	9.0	9.0	8.9	8.0	7.7
94-29	10.0	7.5	7.6	7.5	7.9	7.4	7.3	7.0	6.8	6.7	5.6	5.4
94-32	10.0	10.0	9.9	10.0	9.8	9.5	9.6	8.9	8.8	8.5	7.5	7.3
94-82	10.0	7.3	6.9	6.7	7.0	6.8	6.6	5.8	5.6	6.0	4.2	3.8
94-84	10.0	9.8	9.6	9.7	9.3	8.9	9.3	8.7	8.8	8.4	8.3	7.5
94-86	10.0	6.5	6.5	6.1	6.3	5.4	6.0	6.1	5.2	5.5	4.1	3.8
94-91	10.0	10.0	10.0	9.6	9.8	9.7	9.7	8.9	9.3	9.2	8.8	8.1
94-97	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.4	9.5	9.2	8.2	7.6
94-98	10.0	10.0	10.0	10.0	9.7	9.7	9.6	9.0	8.9	9.2	7.7	7.6
94-108	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.7	9.8	9.8	8.9	8.8
94-109	10.0	10.0	10.0	10.0	9.8	9.8	9.7	9.7	9.8	10.0	9.3	9.3

TABLE 13. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
94-110	10.0	10.0	10.0	10.0	10.0	9.7	9.6	9.0	9.3	9.2	8.3	8.0
94-111	10.0	10.0	10.0	10.0	9.8	9.5	9.7	9.2	9.3	9.0	8.3	7.8
94-115	10.0	10.0	9.6	9.3	9.4	9.0	9.3	8.8	9.0	9.2	8.5	7.8
94-122	10.0	10.0	10.0	10.0	9.3	9.3	9.4	8.9	8.8	9.1	7.5	7.4
94-125	10.0	9.9	7.7	7.8	7.6	7.0	7.1	6.0	6.5	6.5	5.4	4.8
Paint-Water, Yellow (90 sec)												
94-19	10.0	10.0	10.0	10.0	9.7	9.7	9.5	9.4	9.5	9.5	9.0	8.0
Paint-Water, Yellow (180 sec)												
94-20	10.0	10.0	10.0	10.0	9.8	9.8	9.7	9.2	9.4	9.3	9.2	8.9
Paint-Polyester, White												
93-5	10.0	9.5	9.3	9.1	9.1	8.5	8.0	8.4	8.6	8.8	7.0	6.5
93-70	10.0	9.3	9.0	9.2	9.2	8.0	8.2	9.3	8.0	7.7	6.7	6.7
93-73	10.0	9.3	9.0	8.8	8.9	8.4	7.5	6.2	7.5	7.5	6.3	6.7
94-24	10.0	9.7	9.0	9.3	9.1	9.1	8.0	9.3	8.4	8.5	7.1	7.1
94-81	10.0	7.7	7.2	6.1	5.4	4.0	3.6	2.5	2.0	2.1	1.8	1.4
Paint-Polyester, Yellow												
93-6	10.0	9.3	8.6	8.3	7.0	7.0	6.6	6.5	6.6	6.2	4.8	5.0
93-7	10.0	8.7	8.0	6.6	5.8	5.2	5.0	4.5	4.0	4.0	3.5	2.9
93-71	10.0	3.8	1.0	0.3	0.3	0.1	0.1	2.2	0.0	0.2	0.1	0.0
93-72	10.0	6.5	3.9	2.2	1.7	0.7	0.7	0.0	0.4	0.1	0.2	0.1
93-74	10.0	8.3	7.2	6.3	5.6	5.3	5.2	5.6	4.5	4.0	4.0	3.3
94-25	10.0	9.8	9.4	9.1	8.8	8.8	7.9	8.5	7.8	7.2	6.9	7.3
94-34	10.0	9.3	8.9	8.3	7.8	7.6	6.9	6.0	6.8	6.7	5.5	5.7
94-35	10.0	8.8	8.3	7.3	6.3	5.8	5.4	4.5	4.5	4.6	3.8	3.5
94-36	10.0	9.5	9.3	9.0	9.2	8.7	8.2	8.0	7.5	7.8	6.4	6.7

TABLE 13. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Polyester, Yellow (cont.)												
94-89	10.0	7.0	7.5	6.5	6.1	5.5	5.2	4.5	4.7	4.5	3.9	4.1
94-90	10.0	9.5	9.3	8.8	8.2	8.0	7.6	6.6	7.1	7.2	5.8	5.7
Paint-Multipolymer, White												
93-61	10.0	9.9	9.4	10.0	8.8	9.3	8.4	8.5	8.3	8.9	8.5	8.3
Paint-Multipolymer, Yellow												
93-114	10.0	9.8	9.7	10.0	8.9	9.5	8.3	8.3	8.4	9.1	8.5	8.3
Thermoplastic-Alkyd, White												
93-35	10.0	9.9	9.7	9.8	9.9	9.8	9.8	8.9	10.0	10.0	9.1	9.5
93-41	10.0	10.0	9.7	10.0	10.0	10.0	9.7	9.5	10.0	10.0	9.8	10.0
93-43	10.0	10.0	9.8	9.8	10.0	10.0	9.7	9.4	9.8	10.0	9.2	9.7
93-47	10.0	10.0	10.0	10.0	9.8	10.0	9.8	9.9	10.0	9.8	9.7	10.0
93-58	10.0	9.8	9.5	9.7	9.8	9.7	9.3	9.3	9.8	9.7	9.5	9.7
93-69	10.0	10.0	10.0	10.0	9.6	9.7	9.5	9.6	10.0	9.8	9.6	10.0
94-39	10.0	10.0	9.9	10.0	9.7	9.8	9.7	9.8	10.0	9.8	9.8	10.0
94-45	10.0	9.8	9.8	10.0	9.8	10.0	9.8	9.7	10.0	10.0	9.5	9.5
94-74	10.0	10.0	10.0	10.0	9.7	10.0	9.7	9.7	10.0	10.0	9.7	10.0
94-102	10.0	10.0	10.0	10.0	9.7	10.0	9.7	10.0	10.0	10.0	9.7	10.0
94-120	10.0	10.0	10.0	10.0	9.4	9.8	9.7	9.7	10.0	9.8	9.7	10.0
Thermoplastic-Alkyd, Yellow												
93-36	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.8	10.0	10.0	9.8	10.0
93-39	10.0	10.0	9.8	10.0	10.0	10.0	9.8	9.9	10.0	10.0	9.8	10.0
93-40	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.6	10.0	9.8	9.7	9.7
93-42	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.6	10.0	10.0	9.8	10.0
93-46	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.9	10.0	10.0	9.8	10.0
93-59	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.8	10.0	10.0	9.7	10.0

TABLE 13. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, Yellow (cont.)												
93-68	10.0	10.0	10.0	10.0	9.8	10.0	9.8	9.8	10.0	10.0	9.8	10.0
94-40	10.0	10.0	10.0	10.0	9.7	10.0	9.8	9.8	10.0	10.0	9.6	9.9
94-42	10.0	9.8	10.0	10.0	9.7	10.0	9.8	9.8	10.0	10.0	9.6	9.8
94-46	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	10.0	9.8	9.9
94-48	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.8	10.0	10.0	9.8	9.8
94-51	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	10.0	9.8	10.0
94-71	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.8	10.0	10.0	9.7	10.0
94-75	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.8	10.0	10.0	9.7	9.8
94-101	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0	10.0	10.0	9.7	10.0
94-103	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.8	10.0	10.0	9.7	10.0
94-104	10.0	10.0	10.0	10.0	9.8	10.0	9.7	9.8	10.0	10.0	9.7	10.0
94-105	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.9	10.0	10.0	9.7	10.0
94-118	10.0	10.0	10.0	10.0	9.7	10.0	9.8	9.8	10.0	10.0	9.8	10.0
94-119	10.0	10.0	10.0	10.0	9.8	9.8	9.7	9.7	10.0	9.7	9.7	10.0
Thermoplastic-Hydrocarbon, White												
93-32	10.0	10.0	10.0	9.7	9.3	9.3	9.3	8.5	7.6	7.3	6.8	6.5
93-44	10.0	10.0	9.8	10.0	10.0	10.0	9.8	9.8	10.0	9.8	9.7	10.0
93-66	10.0	10.0	10.0	10.0	9.7	10.0	9.8	9.3	10.0	9.8	9.4	9.9
94-37	10.0	10.0	9.8	10.0	9.8	10.0	9.7	9.7	10.0	9.8	9.8	10.0
94-43	10.0	9.9	9.8	10.0	9.7	9.9	9.5	9.5	9.3	8.9	8.8	8.5
94-72	10.0	9.8	9.4	9.7	9.5	9.4	9.1	9.2	9.4	9.3	8.7	8.9
94-106	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0	10.0	10.0	10.0	10.0
94-121	10.0	10.0	10.0	9.8	10.0	9.8	9.4	9.3	9.8	9.8	9.5	9.4
Thermoplastic-Hydrocarbon, Yellow												
93-28	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.9	10.0	10.0	9.8	10.0

TABLE 13. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, Yellow (cont.)												
93-29	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.9	10.0	10.0	9.7	10.0
93-33	10.0	10.0	10.0	10.0	10.0	9.7	9.5	8.6	8.8	8.3	7.5	7.3
93-34	10.0	10.0	9.8	9.5	9.2	9.0	8.6	7.3	7.1	6.5	6.0	4.9
93-45	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.9	10.0	9.8	9.8	10.0
93-60	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.7	10.0	10.0	9.4	10.0
93-67	10.0	9.8	10.0	9.8	9.7	10.0	9.8	9.6	9.8	9.8	9.3	9.9
94-38	10.0	10.0	10.0	10.0	9.7	10.0	9.8	9.8	10.0	10.0	9.8	9.9
94-41	10.0	9.8	9.9	10.0	9.8	10.0	9.8	9.7	10.0	10.0	9.6	10.0
94-44	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	10.0	9.5	9.5	9.6
94-47	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	9.8	9.4	9.7	9.6
94-49	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.8	10.0	10.0	9.8	10.0
94-73	10.0	10.0	10.0	10.0	9.8	10.0	9.8	9.6	9.6	9.3	9.1	9.4
94-116	10.0	10.0	10.0	10.0	9.7	10.0	9.7	9.6	10.0	9.8	9.7	10.0
94-117	10.0	10.0	10.0	9.8	9.7	9.7	9.6	9.5	9.7	9.5	9.1	9.1
Thermoplastic-Preformed, White												
93-37	10.0	10.0	10.0	10.0	10.0	9.9	9.7	9.7	10.0	10.0	9.8	10.0
93-38	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.8	10.0	10.0	9.8	10.0
93-54	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.8	10.0	10.0	9.7	10.0
93-55	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.8	10.0	10.0	9.4	10.0
94-77	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.8	10.0	10.0	9.7	10.0
94-78	10.0	10.0	9.8	10.0	10.0	10.0	9.7	9.8	10.0	10.0	9.5	10.0
Thermoplastic-Preformed, Yellow												
93-30	10.0	10.0	9.8	10.0	10.0	10.0	9.8	9.8	10.0	10.0	9.8	10.0
93-31	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.8	10.0	10.0	9.8	10.0
94-76	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.8	10.0	10.0	9.7	10.0

TABLE 13. Durability Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Permanent Tape, White												
93-23	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.9	10.0	10.0	9.8	10.0
93-25	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.8	10.0	10.0	9.8	10.0
93-26	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	10.0	9.8	10.0
93-49	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.8	9.8	10.0
93-106	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.9	10.0
93-108	10.0	10.0	10.0	9.7	9.6	9.8	10.0	9.8	10.0	10.0	10.0	10.0
94-56	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-57	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	10.0	10.0	10.0
94-68	10.0	10.0	10.0	10.0	9.8	10.0	9.7	10.0	10.0	9.8	9.7	10.0
94-70	10.0	10.0	10.0	10.0	9.8	10.0	9.7	9.8	10.0	9.8	9.7	10.0
Permanent Tape, Yellow												
93-17	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.7	10.0	10.0	10.0	10.0
93-24	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.8	10.0	10.0	9.8	10.0
93-27	10.0	10.0	10.0	10.0	9.9	10.0	9.8	10.0	10.0	10.0	9.8	10.0
93-48	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.8	9.8	10.0
93-107	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	10.0	10.0
93-109	10.0	9.8	9.8	9.8	9.8	9.7	10.0	9.8	10.0	10.0	10.0	10.0
94-67	10.0	10.0	10.0	10.0	9.8	10.0	9.7	10.0	10.0	9.8	9.7	10.0
94-69	10.0	10.0	9.9	10.0	9.8	10.0	9.7	10.0	9.8	9.8	9.7	10.0
Temporary Tape, White												
93-56	10.0	10.0	9.8	9.3	9.4	9.8	8.8	9.0	7.8	9.0	8.2	8.2
Temporary Tape, Yellow												
93-57	10.0	10.0	9.9	8.8	8.5	8.0	7.7	8.7	6.7	7.0	6.5	6.5
93-64	10.0	9.8	9.6	8.7	8.5	8.0	7.7	7.6	6.9	7.2	6.5	6.6

Table 14. Durability Ratings for Removable Tape Lines on Asphalt Pavement (Alabama)***

SAMPLE NUMBER		JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG.**
Removable Tape, Yellow							
93-18	T	*	*	*	*	*	*
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-19	T	*	*	*	*	*	*
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-21	T	*	*	*	*	*	*
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-22	T	*	*	*	*	*	*
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-51	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-53	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-62	T	8.5	7.0	7.7	5.0	5.0	6.6
	L	9.8	9.3	9.0	9.0	9.0	9.2
93-110	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-65	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-80	T	6.0	7.1	6.0	8.0	3.5	6.1
	L	10.0	9.0	9.3	9.3	9.3	9.4
Removable Tape, White							
93-16	T	*	*	*	*	*	*
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-20	T	*	*	*	*	*	*
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-50	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-52	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	*	*	*	*	*	*

Table 14. Durability Ratings for Removable Tape Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER		JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG.**
93-63	T	*	*	*	*	*	*
	L	7.2	9.0	9.0	9.0	9.0	8.6
94-66	T	8.0	7.5	10.0	10.0	*	8.9
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-79	T	*	*	*	*	*	*
	L	10.0	10.0	9.3	10.0	10.0	9.9
Removable Tape, Black							
93-111	T	9.7	10.0	10.0	10.0	10.0	9.9
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-60	T	7.7	10.0	10.0	10.0	10.0	9.5
	L	10.0	10.0	10.0	10.0	10.0	10.0

T Transverse Stripe
L Longitudinal Stripe

* Tape Missing
** Average of months where tape was remaining.
*** No data taken in May and June.

Table 15. Durability Ratings for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama) ***

SAMPLE NUMBER		JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG.**
Removable Tape, Yellow							
93-18	T	10.0	9.7	10.0	10.0	10.0	9.9
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-19	T	2.0	*	*	*	*	2.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-21	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-22	T	*	*	*	*	*	*
	L	2.0	*	*	*	*	2.0
93-51	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-53	T	10.0	10.0	10.0	9.7	9.7	9.9
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-62	T	10.0	8.7	9.3	8.5	8.8	9.1
	L	4.0	*	*	*	*	4.0
93-110	T	10.0	10.0	10.0	9.7	10.0	9.9
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-65	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-80	T	9.0	8.7	8.3	8.0	8.0	8.4
	L	10.0	10.0	10.0	10.0	10.0	10.0
Removable Tape, White							
93-16	T	10	9.7	9.8	10	10	9.9
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-20	T	*	*	*	*	*	*
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-50	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-52	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	9.3	9.9

Table 15. Durability Ratings for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER		JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG.**
93-63	T	7.4	8.0	6.3	7.8	9.2	7.7
	L	3.0	*	*	*	*	3.0
94-66	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-79	T	9.0	9.0	8.7	8.3	9.3	8.9
	L	10.0	10.0	10.0	10.0	10.0	10.0
Removable Tape, Black							
93-111	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-60	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	7.5	10.0	5.0	10.0	8.5

T Transverse Stripe
L Longitudinal Stripe

* Tape Missing
** Average of months where tape was remaining.
*** No data taken in May and June.

TABLE 16. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec)												
93-3	10.0	10.0	9.3	9.3	9.3	8.3	8.7	8.5	6.3	5.0	6.7	4.8
93-12	10.0	10.0	9.7	9.7	9.0	9.0	8.8	8.5	7.2	6.2	6.3	5.2
93-75	10.0	9.7	9.0	9.3	9.0	9.0	8.7	8.3	7.7	6.5	7.7	6.0
93-77	10.0	9.8	9.0	9.0	9.2	8.7	8.8	8.3	7.7	6.5	7.3	6.2
93-79	10.0	10.0	9.8	9.3	9.2	9.3	9.0	8.3	8.0	6.5	7.6	6.0
93-95	10.0	10.0	9.8	9.7	9.2	9.2	9.3	8.8	8.7	7.3	8.7	6.3
93-99	10.0	10.0	9.7	9.7	9.3	9.3	9.0	9.0	8.7	7.2	8.2	6.8
93-101	10.0	10.0	9.7	9.5	9.2	9.2	8.8	8.7	8.2	6.5	7.8	6.3
93-113	10.0	9.5	9.2	8.5	9.2	8.0	8.3	8.3	6.8	5.5	6.5	5.3
94-1	10.0	9.7	9.3	9.2	9.2	9.0	8.8	8.3	7.8	6.2	7.2	5.8
94-3	10.0	10.0	9.8	9.2	9.2	9.2	9.0	8.3	8.2	6.7	7.2	6.0
94-33	10.0	9.8	9.5	9.2	9.0	8.5	8.7	8.0	7.0	5.2	6.8	4.5
94-87	10.0	10.0	9.7	9.3	9.2	9.2	9.3	8.7	8.3	6.5	7.8	6.3
94-93	10.0	10.0	9.8	9.3	9.2	9.2	9.3	8.7	8.8	7.0	8.2	6.5
94-113	10.0	10.0	9.7	9.5	9.2	9.0	8.8	8.2	8.0	6.7	8.2	6.5
Paint-Solvent, Yellow (60 sec)												
93-4	10.0	10.0	10.0	10.0	9.7	9.3	9.5	9.2	7.6	6.2	7.7	6.0
93-10	10.0	9.8	9.3	9.5	9.0	8.3	8.3	7.5	6.7	5.2	5.7	4.5
93-13	10.0	10.0	10.0	10.0	9.5	8.8	8.8	8.8	7.7	6.3	6.8	5.8
93-76	10.0	9.7	9.0	8.8	9.2	8.2	8.3	8.8	7.3	6.2	7.5	6.3
93-78	10.0	9.3	9.3	9.3	9.2	8.3	8.8	8.9	7.8	6.7	7.7	6.8
93-80	10.0	10.0	10.0	10.0	9.5	9.2	9.3	9.2	8.7	7.7	8.3	7.1
93-93	10.0	10.0	10.0	9.8	9.7	9.6	9.5	9.2	9.5	8.0	9.0	7.2
93-94	10.0	10.0	10.0	9.8	8.8	9.5	9.7	9.2	9.0	7.7	8.8	7.2
93-98	10.0	10.0	10.0	10.0	9.5	9.3	9.3	9.5	9.0	8.2	8.8	7.1

TABLE 16. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, Yellow (60 sec) (cont.)												
93-100	10.0	10.0	10.0	10.0	9.3	9.5	9.5	9.2	9.0	7.5	8.7	7.4
93-112	10.0	9.8	9.0	8.7	9.3	8.8	8.5	8.3	7.0	5.7	6.7	5.5
94-2	10.0	9.8	9.7	10.0	9.3	8.8	9.2	8.7	7.7	6.5	7.8	6.4
94-4	10.0	10.0	9.8	10.0	9.5	9.0	9.5	9.0	7.9	7.0	8.2	6.3
94-30	10.0	10.0	10.0	10.0	9.7	9.2	9.3	9.2	7.7	6.7	8.2	6.2
94-83	10.0	10.0	10.0	10.0	9.5	9.3	9.8	9.0	8.2	7.5	8.3	6.5
94-85	10.0	10.0	10.0	10.0	9.7	9.5	9.3	9.2	8.8	8.0	8.5	7.2
94-96	10.0	10.0	9.8	10.0	9.5	9.2	9.5	9.0	9.0	8.0	9.0	7.8
94-112	10.0	10.0	9.8	10.0	9.5	9.3	9.7	9.2	9.0	8.3	9.0	8.2
Paint-Solvent, White (90 sec)												
94-95	10.0	9.7	9.3	9.3	9.3	9.0	9.0	8.5	8.3	7.5	8.7	6.7
Paint-Solvent, Yellow (90 sec)												
94-100	10.0	10.0	9.8	10.0	9.3	9.2	9.0	9.0	8.7	8.0	9.2	7.3
Paint-Water White (60 sec)												
93-1	10.0	7.7	7.4	7.8	7.8	6.8	7.3	6.5	6.1	5.3	6.2	5.0
93-14	10.0	10.0	9.8	9.8	9.3	9.7	9.3	9.0	9.0	7.5	9.2	8.2
93-81	10.0	8.7	8.5	8.3	9.0	8.5	8.5	8.3	7.2	6.0	8.0	6.3
93-84	10.0	10.0	10.0	9.7	9.3	9.2	9.3	8.7	8.5	7.5	9.0	7.8
93-87	10.0	10.0	9.8	9.8	9.3	9.3	9.3	9.0	8.5	7.5	9.0	7.0
93-92	10.0	10.0	9.7	9.5	9.3	9.3	9.3	9.0	8.7	7.3	9.0	7.3
93-97	10.0	8.0	7.8	7.8	8.5	8.2	7.8	7.5	6.5	5.2	6.5	4.7
93-103	10.0	9.7	9.7	9.3	9.2	9.2	9.2	8.5	8.7	6.7	8.2	6.5
94-5	10.0	10.0	10.0	9.5	9.3	9.3	9.2	8.8	8.8	7.8	8.5	8.0
94-8	10.0	9.8	9.2	9.5	9.2	9.2	9.2	8.7	8.2	6.8	8.8	6.8
94-12	10.0	9.2	8.7	8.5	8.8	8.3	8.8	8.5	7.1	6.7	8.3	6.2

TABLE 16. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water White (60 sec) (cont.)												
94-15	10.0	9.8	9.5	9.5	9.3	9.2	9.3	8.7	8.3	6.8	8.8	7.0
94-21	10.0	10.0	9.5	9.5	9.3	9.2	9.3	8.7	8.3	6.8	8.8	7.0
94-26	10.0	10.0	9.8	9.5	9.3	9.3	9.3	9.0	8.8	7.2	8.5	6.8
94-28	10.0	10.0	9.5	9.5	9.3	9.5	9.3	8.7	8.2	6.5	7.8	6.5
94-31	10.0	7.2	7.2	7.5	7.2	7.2	6.8	6.5	6.0	5.2	5.7	4.2
94-88	10.0	10.0	9.8	9.3	9.2	9.2	9.2	8.5	8.8	6.8	8.2	6.3
94-92	10.0	9.2	9.0	8.8	9.0	9.0	8.8	8.3	7.5	5.8	7.3	5.8
94-94	10.0	6.2	6.5	7.3	7.3	6.3	6.0	5.8	5.4	4.8	4.8	3.8
94-107	10.0	10.0	9.8	9.8	9.3	9.7	9.3	8.8	9.0	7.7	9.2	8.3
94-114	10.0	8.0	7.6	7.5	7.3	6.8	7.3	6.8	6.8	6.3	7.3	5.3
94-123	10.0	9.8	9.8	9.3	8.7	9.3	9.2	9.0	8.8	7.5	8.7	7.5
94-124	10.0	10.0	10.0	9.5	9.2	9.5	9.2	9.0	8.8	7.8	8.8	7.8
Paint-Water, Yellow (60 sec)												
93-2	10.0	10.0	9.7	9.8	9.7	9.7	9.7	9.2	8.5	7.2	8.3	7.2
93-8	10.0	10.0	9.2	9.3	9.0	9.2	8.8	8.2	7.7	6.3	7.2	6.0
93-15	10.0	10.0	9.7	9.7	9.5	9.5	9.3	8.8	8.8	7.7	9.2	8.2
93-82	10.0	9.3	9.0	9.0	9.2	8.7	8.8	8.7	7.3	6.3	7.5	6.5
93-83	10.0	9.7	8.8	8.9	9.0	8.5	8.9	8.5	7.7	6.3	8.5	7.3
93-85	10.0	10.0	10.0	10.0	9.8	9.8	9.8	9.3	9.7	9.0	9.3	8.8
93-86	10.0	10.0	10.0	10.0	10.0	9.3	9.3	9.0	8.3	7.2	8.5	7.7
93-88	10.0	9.7	9.0	9.3	9.3	8.7	9.1	8.7	8.0	7.0	8.7	7.5
93-89	10.0	9.7	9.5	9.3	9.3	9.0	9.2	9.0	8.3	7.2	9.0	7.7
93-90	10.0	10.0	9.8	10.0	9.7	9.7	9.8	9.4	9.1	8.1	8.8	8.0
93-91	10.0	10.0	10.0	10.0	9.7	9.8	9.7	9.5	9.5	8.8	9.3	8.8
93-96	10.0	6.7	7.0	7.3	7.5	6.5	7.2	6.8	6.0	4.8	6.0	4.8

TABLE 16. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
93-102	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.3	9.3	8.5	9.3	8.2
93-104	10.0	10.0	9.8	10.0	9.7	9.7	9.7	9.3	9.5	8.8	9.3	8.5
93-105	10.0	8.2	8.2	7.0	8.2	7.5	8.2	8.0	7.0	6.0	7.0	6.0
94-6	10.0	10.0	10.0	10.0	9.7	9.8	9.7	9.2	9.7	8.8	9.2	8.7
94-7	10.0	10.0	10.0	10.0	10.0	9.5	9.3	9.0	8.2	7.3	8.3	7.7
94-9	10.0	9.5	9.0	9.0	9.2	8.7	8.8	8.7	7.3	6.5	8.2	6.8
94-10	10.0	9.5	9.0	8.8	9.2	8.7	9.0	8.7	7.8	6.8	8.3	7.2
94-11	10.0	9.7	9.8	9.7	9.3	9.2	9.3	8.7	8.0	6.8	8.3	7.2
94-13	10.0	10.0	10.0	9.7	9.3	9.5	9.7	9.2	9.0	7.8	9.0	8.0
94-14	10.0	9.2	8.8	8.5	8.7	8.3	8.5	8.5	7.3	6.3	7.8	6.3
94-16	10.0	10.0	9.5	9.3	9.3	9.2	9.2	9.0	8.7	8.0	8.8	7.5
94-17	10.0	10.0	9.5	9.3	9.4	8.8	9.3	9.0	8.0	6.8	8.2	7.7
94-22	10.0	9.2	8.8	8.7	8.7	8.5	8.5	8.5	7.5	6.3	8.0	6.3
94-23	10.0	10.0	9.0	9.3	9.4	8.8	9.3	9.0	7.7	6.8	8.2	7.5
94-27	10.0	10.0	10.0	10.0	9.7	9.7	9.8	9.7	9.0	7.8	9.0	8.0
94-29	10.0	10.0	9.8	10.0	9.7	9.7	9.8	9.3	9.2	8.2	9.2	8.3
94-32	10.0	9.8	8.3	8.5	8.0	7.8	7.7	7.3	6.6	5.6	6.1	5.1
94-82	10.0	7.0	8.0	6.2	7.5	6.5	7.2	7.0	6.0	4.8	6.0	4.5
94-84	10.0	10.0	9.8	10.0	9.7	9.7	9.7	9.0	9.3	8.2	8.8	8.2
94-86	10.0	8.0	7.5	7.2	7.8	7.0	7.5	7.7	6.7	5.7	6.3	5.3
94-91	10.0	10.0	9.8	10.0	9.7	9.8	9.7	9.3	9.7	8.8	9.3	8.5
94-97	10.0	7.7	6.8	7.2	7.0	6.8	7.2	6.3	5.5	5.0	5.5	4.7
94-98	10.0	8.7	8.2	8.0	8.5	7.5	7.8	8.0	6.8	6.3	7.2	5.7
94-108	10.0	10.0	10.0	9.8	9.7	9.7	9.7	9.3	9.3	8.7	9.2	8.5
94-109	10.0	10.0	9.8	9.8	9.7	9.7	9.7	9.3	9.5	8.7	9.3	8.7

TABLE 16. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
94-110	10.0	10.0	9.8	9.7	9.7	9.5	9.4	9.0	9.0	7.5	9.0	7.5
94-111	10.0	10.0	10.0	9.8	9.7	9.5	9.7	9.3	9.5	7.8	9.2	8.3
94-115	10.0	10.0	8.3	9.0	8.7	8.2	8.3	8.3	8.0	6.5	7.7	6.8
94-122	10.0	9.5	7.9	7.7	8.3	7.3	7.8	8.3	6.8	5.8	7.2	6.0
94-125	10.0	9.7	8.0	8.2	8.3	7.3	7.8	8.3	7.0	6.3	7.7	6.7
Paint-Water, Yellow (90 sec)												
94-19	10.0	10.0	10.0	10.0	9.7	9.7	9.7	8.8	9.2	8.5	9.3	8.5
Paint-Water, Yellow (180 sec)												
94-20	10.0	10.0	10.0	10.0	10.0	9.8	10.0	9.3	9.3	8.5	9.3	8.7
Paint-Polyester, White												
93-5	10.0	7.5	6.3	5.4	5.3	4.8	4.8	4.9	4.4	3.6	4.0	2.7
93-70	10.0	8.2	8.0	7.6	7.4	7.3	7.3	6.4	5.9	4.3	4.8	4.9
93-73	10.0	9.0	8.7	8.8	8.2	8.5	8.2	7.3	7.2	6.0	6.3	5.0
94-24	10.0	9.7	8.8	9.0	8.9	8.2	8.0	7.7	7.3	6.5	7.5	6.2
94-81	10.0	8.3	7.7	7.7	7.7	7.0	7.2	6.9	6.2	5.0	6.3	4.3
Paint-Polyester, Yellow												
93-6	10.0	9.5	8.8	8.7	8.3	8.3	8.2	7.5	7.0	6.3	7.5	5.7
93-7	10.0	9.2	8.0	7.7	7.3	7.3	7.5	6.7	6.2	5.7	6.5	5.0
93-71	10.0	8.7	7.8	7.3	7.3	7.3	7.3	6.8	6.5	4.7	4.8	3.5
93-72	10.0	8.3	7.7	7.3	7.2	6.3	6.5	6.3	5.3	4.7	4.6	2.8
93-74	10.0	7.5	7.3	7.3	6.5	6.0	6.5	5.8	4.7	3.3	4.2	2.3
94-25	10.0	9.2	8.2	7.8	7.7	7.2	7.3	6.5	6.2	5.5	6.2	4.7
94-34	10.0	8.1	6.6	5.3	5.9	4.9	4.9	4.8	4.2	4.5	5.3	3.0
94-35	10.0	9.2	7.8	7.7	7.0	7.2	8.4	6.8	6.2	5.7	6.8	5.1
94-36	10.0	9.0	8.3	7.8	7.7	7.5	7.3	6.3	6.2	5.3	6.9	4.3

TABLE 16. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Polyester, Yellow (cont.)												
94-89	10.0	2.8	2.9	2.0	2.0	1.5	1.7	1.3	1.0	0.7	1.2	0.0
94-90	10.0	2.4	2.3	1.3	2.0	1.6	1.9	1.4	1.2	0.8	1.1	0.1
Paint-Multipolymer, White												
93-61	10.0	9.7	9.3	8.3	8.5	8.2	7.0	8.2	8.0	7.5	9.0	7.7
Paint-Multipolymer, Yellow												
93-114	10.0	9.7	9.2	8.3	8.5	8.2	7.0	8.2	8.5	7.5	9.0	7.7
Thermoplastic-Alkyd, White												
93-35	10.0	10.0	10.0	9.8	10.0	9.5	9.7	9.3	9.5	9.4	9.8	9.2
93-41	10.0	10.0	9.8	9.7	9.5	9.3	9.5	9.3	9.5	9.5	10.0	9.2
93-43	10.0	10.0	10.0	10.0	9.5	9.7	9.3	9.7	9.3	9.0	10.0	9.0
93-47	10.0	9.8	9.7	9.7	9.3	9.3	9.3	9.3	9.3	9.3	10.0	9.3
93-58	10.0	10.0	10.0	9.5	9.7	9.5	9.5	9.2	9.5	9.3	10.0	9.3
93-69	10.0	10.0	10.0	9.8	9.5	9.5	9.5	9.5	9.5	9.5	10.0	9.3
94-39	10.0	10.0	10.0	10.0	9.7	9.3	9.3	9.5	9.5	9.5	10.0	9.3
94-45	10.0	10.0	10.0	10.0	9.7	9.3	9.3	9.5	9.5	9.5	10.0	9.2
94-74	10.0	10.0	9.8	9.8	9.7	9.5	9.3	9.3	9.5	9.3	10.0	9.7
94-102	10.0	10.0	10.0	10.0	9.7	9.5	9.5	9.0	9.5	9.3	10.0	9.0
94-120	10.0	10.0	9.8	9.7	9.5	9.5	9.5	9.5	9.5	9.5	9.8	9.3
Thermoplastic-Alkyd, Yellow												
93-36	10.0	10.0	10.0	9.8	9.5	9.5	9.5	9.5	9.5	9.5	10.0	9.3
93-39	10.0	10.0	10.0	10.0	9.6	9.5	9.4	9.3	9.5	9.5	10.0	9.5
93-40	10.0	10.0	10.0	10.0	9.8	9.3	9.7	9.7	9.3	9.5	10.0	9.5
93-42	10.0	10.0	10.0	10.0	9.8	9.2	9.0	9.5	9.3	9.2	10.0	9.3
93-46	10.0	10.0	10.0	10.0	10.0	9.8	10.0	9.5	9.5	9.3	10.0	9.7
93-59	10.0	10.0	10.0	10.0	10.0	9.7	9.3	9.5	9.5	9.2	10.0	9.7

TABLE 16. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, Yellow (cont.)												
93-68	10.0	10.0	9.7	10.0	9.7	9.5	9.5	9.3	8.0	9.3	9.8	9.0
94-40	10.0	10.0	9.8	9.8	9.8	9.3	9.3	9.3	7.8	9.3	9.8	9.5
94-42	10.0	10.0	10.0	10.0	9.8	9.3	9.5	9.7	9.7	9.5	10.0	9.7
94-46	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.7	9.7	9.7	10.0	9.7
94-48	10.0	10.0	10.0	9.5	9.8	9.5	9.5	9.7	9.7	9.7	9.3	9.7
94-51	10.0	10.0	10.0	9.8	10.0	9.8	9.0	9.7	9.8	9.5	10.0	9.5
94-71	10.0	10.0	10.0	10.0	10.0	9.8	10.0	9.5	9.5	9.3	10.0	9.5
94-75	10.0	10.0	10.0	10.0	9.8	9.8	9.8	9.7	9.5	9.5	10.0	9.3
94-101	10.0	10.0	10.0	10.0	10.0	9.3	9.7	9.0	9.3	9.5	10.0	9.2
94-103	10.0	10.0	10.0	10.0	9.8	9.3	9.5	9.2	9.3	9.3	9.7	8.6
94-104	10.0	10.0	10.0	10.0	10.0	9.3	9.5	9.3	9.3	9.3	10.0	9.3
94-105	10.0	10.0	10.0	10.0	10.0	9.3	9.8	9.7	10.0	9.5	10.0	9.5
94-118	10.0	10.0	10.0	9.8	9.8	9.5	9.5	9.5	9.5	9.5	10.0	9.3
94-119	10.0	10.0	10.0	9.8	9.8	9.5	9.5	9.5	9.5	9.5	10.0	9.2
Thermoplastic-Hydrocarbon, White												
93-32	10.0	10.0	9.8	9.7	9.7	9.3	9.5	9.2	9.3	8.5	9.3	8.5
93-44	10.0	9.8	9.8	9.7	9.7	9.5	9.8	9.3	9.5	9.3	10.0	9.6
93-66	10.0	10.0	9.8	9.7	9.8	9.3	9.7	9.3	9.5	9.3	10.0	9.0
94-37	10.0	10.0	9.8	9.8	9.6	9.3	9.3	9.4	9.3	9.0	10.0	9.2
94-43	10.0	10.0	9.8	10.0	9.7	9.3	9.7	9.5	9.5	9.5	10.0	9.3
94-72	10.0	8.8	7.8	8.2	7.2	7.3	7.8	7.0	6.5	5.5	7.2	5.0
94-106	10.0	10.0	10.0	10.0	9.7	9.5	9.5	9.2	9.6	9.3	10.0	9.1
94-121	10.0	9.3	9.0	8.8	8.9	8.3	8.8	8.1	8.1	7.1	8.0	6.4
Thermoplastic-Hydrocarbon, Yellow												
93-28	10.0	10.0	10.0	9.9	10.0	9.8	9.8	9.5	9.5	9.5	10.0	9.5

TABLE 16. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, Yellow (cont.)												
93-29	10.0	10.0	10.0	10.0	9.8	9.5	9.7	9.5	9.7	9.5	10.0	9.5
93-33	10.0	10.0	9.8	9.8	9.7	9.2	9.7	9.0	8.7	8.2	8.7	7.5
93-34	10.0	10.0	9.7	9.8	9.9	9.3	8.8	8.8	8.2	7.7	8.5	7.0
93-45	10.0	9.9	10.0	10.0	10.0	9.8	9.8	9.5	9.7	9.3	10.0	9.5
93-60	10.0	10.0	9.8	9.9	9.8	9.3	9.5	9.7	9.7	9.4	10.0	9.5
93-67	10.0	9.8	9.7	10.0	9.8	9.7	9.3	9.2	9.5	9.1	10.0	9.1
94-38	10.0	10.0	9.7	9.8	9.8	9.3	8.3	9.7	9.7	9.3	10.0	9.2
94-41	10.0	10.0	9.8	10.0	9.8	9.3	9.5	9.7	9.7	9.5	10.0	9.2
94-44	10.0	10.0	10.0	10.0	10.0	9.5	9.5	9.0	9.5	8.8	9.8	9.0
94-47	10.0	10.0	10.0	10.0	9.8	9.3	9.7	9.7	9.7	9.3	10.0	9.3
94-49	10.0	10.0	10.0	10.0	10.0	9.3	9.8	9.8	10.0	9.5	10.0	9.7
94-73	10.0	10.0	10.0	9.7	9.7	9.6	9.4	8.9	9.3	8.8	9.2	8.8
94-116	10.0	9.7	9.7	9.3	9.2	9.3	9.5	9.2	9.5	9.2	9.8	8.8
94-117	10.0	9.9	9.8	9.6	9.1	9.3	9.2	8.8	8.8	8.3	9.2	8.5
Thermoplastic-Preformed, White												
93-37	10.0	10.0	10.0	10.0	9.7	9.3	9.7	9.5	9.7	9.5	10.0	9.5
93-38	10.0	10.0	10.0	10.0	10.0	9.8	9.8	9.7	9.7	9.5	10.0	9.7
93-54	10.0	10.0	10.0	9.5	9.3	9.3	9.3	9.3	9.3	9.3	10.0	9.3
93-55	10.0	10.0	10.0	9.5	9.3	9.3	9.3	9.3	9.3	9.3	10.0	9.3
94-77	10.0	10.0	10.0	9.3	9.5	9.3	9.3	9.3	9.3	9.3	10.0	9.0
94-78	10.0	10.0	10.0	9.5	9.3	9.3	9.3	9.3	9.5	9.3	10.0	9.0
Thermoplastic-Preformed, Yellow												
93-30	10.0	10.0	9.8	10.0	9.8	9.3	9.3	9.3	7.8	9.3	9.8	9.5
93-31	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.5	9.5	9.5	10.0	9.7
94-76	10.0	10.0	10.0	10.0	9.7	9.5	9.5	9.3	9.3	9.3	10.0	9.5

TABLE 16. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUN 1994	JUL 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Permanent Tape, White												
93-23	10.0	8.5	*	*	*	*	*	*	*	*	*	*
93-25	10.0	10.0	*	*	*	*	*	*	*	*	*	*
93-26	10.0	6.7	*	*	*	*	*	*	*	*	*	*
93-49	10.0	10.0	9.8	9.7	9.8	9.7	9.3	9.3	9.3	9.5	10.0	9.7
93-106	10.0	10.0	10.0	10.0	10.0	9.8	9.8	9.7	9.8	9.3	10.0	9.7
93-108	10.0	10.0	10.0	10.0	10.0	9.5	9.7	9.7	10.0	8.8	9.7	9.5
94-56	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0	9.9
94-57	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.5	10.0	9.7
94-68	10.0	10.0	9.8	9.4	9.7	9.5	9.3	9.3	9.3	9.3	10.0	9.5
94-70	10.0	9.8	9.8	9.3	9.7	9.5	9.3	9.2	9.3	9.2	10.0	9.5
Permanent Tape, Yellow												
93-17	10.0	10.0	*	*	*	*	*	*	*	*	*	*
93-24	10.0	10.0	*	*	*	*	*	*	*	*	*	*
93-27	10.0	9.6	*	*	*	*	*	*	*	*	*	*
93-48	10.0	10.0	9.8	9.7	9.8	9.7	9.5	9.7	9.7	9.5	10.0	9.7
93-107	10.0	10.0	10.0	10.0	10.0	9.8	9.8	9.7	9.8	9.3	10.0	9.7
93-109	10.0	10.0	9.9	10.0	9.8	9.7	9.8	9.8	9.8	9.0	10.0	9.7
94-67	10.0	10.0	9.8	9.7	9.8	9.5	9.3	9.3	9.3	9.3	10.0	9.5
94-69	10.0	9.8	9.8	9.7	9.8	9.5	9.3	9.2	9.3	9.3	10.0	9.5
Temporary Tape, White												
93-56	10.0	9.7	9.3	9.3	9.0	9.2	8.8	8.5	8.7	8.7	8.8	8.2
Temporary Tape, Yellow												
93-57	10.0	9.7	9.2	9.0	8.7	8.8	8.3	8.5	7.7	6.8	7.5	6.7
93-64	10.0	9.8	9.5	8.3	8.8	8.5	8.3	8.5	7.7	7.3	7.5	6.5

* Tape missing.

TABLE 17. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec)												
93-3	10.0	10.0	9.7	9.3	9.3	9.2	8.8	8.3	8.8	8.8	7.3	5.8
93-12	10.0	9.7	9.7	9.3	9.0	8.5	8.0	7.3	7.7	6.8	5.8	4.1
93-75	10.0	9.8	9.7	9.3	9.0	9.2	9.2	8.8	9.2	8.5	8.0	6.7
93-77	10.0	9.8	9.5	9.4	9.2	9.5	9.5	8.8	9.0	8.8	8.0	6.8
93-79	10.0	10.0	9.8	9.3	9.3	9.2	9.2	8.5	8.7	8.3	7.8	7.2
93-95	10.0	10.0	9.5	10.0	9.3	9.3	9.3	8.5	9.2	8.8	8.5	7.8
93-99	10.0	9.8	9.5	9.3	9.2	8.8	8.5	7.5	7.3	7.5	5.5	4.3
93-101	10.0	9.7	9.5	9.2	9.2	9.0	9.0	7.5	7.5	7.3	5.5	4.5
93-113	10.0	10.0	9.8	9.7	9.5	8.8	9.2	8.7	8.8	8.2	7.2	5.8
94-1	10.0	10.0	9.8	9.7	9.5	9.5	9.5	9.2	9.1	8.8	8.5	7.2
94-3	10.0	10.0	9.7	9.7	9.3	9.2	9.7	9.1	9.3	9.0	8.8	7.3
94-33	10.0	10.0	9.7	9.3	9.3	9.2	8.8	8.3	8.8	8.8	7.5	6.0
94-87	10.0	9.8	9.7	9.3	9.3	9.0	8.5	7.3	7.5	7.3	5.8	4.3
94-93	10.0	9.8	9.7	9.2	9.3	8.8	8.3	7.2	7.3	7.7	6.0	4.5
94-99	10.0	9.8	9.8	9.5	9.7	9.3	9.3	8.7	8.8	8.8	8.5	7.3
94-113	10.0	9.8	9.4	9.5	9.3	9.0	9.3	8.0	8.8	9.3	8.8	8.5
Paint-Solvent, Yellow (60 sec)												
93-4	10.0	10.0	10.0	10.0	9.8	9.5	9.3	9.0	9.2	9.3	8.0	7.5
93-10	10.0	10.0	10.0	10.0	9.7	9.3	9.2	8.3	8.8	8.2	7.8	5.7
93-13	10.0	10.0	10.0	10.0	9.5	9.3	9.2	8.5	8.8	8.3	8.5	6.0
93-76	10.0	10.0	10.0	10.0	9.7	9.5	9.7	9.3	9.5	9.0	8.5	8.0
93-78	10.0	10.0	10.0	10.0	9.7	9.8	9.7	9.5	9.5	9.7	8.7	13.3
93-80	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.3	9.3	9.5	9.3	8.3
93-93	10.0	9.8	10.0	10.0	9.7	9.5	9.3	9.2	9.3	8.8	8.7	8.2
93-94	10.0	10.0	9.8	10.0	9.8	9.8	9.7	9.2	9.5	9.2	9.0	8.2

TABLE 17. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, Yellow (60 sec) (cont.)												
93-98	10.0	10.0	10.0	10.0	9.7	9.2	9.0	8.5	8.3	8.2	7.2	6.0
93-100	10.0	10.0	10.0	9.8	9.7	9.3	9.0	8.3	8.5	8.3	7.5	5.8
93-112	10.0	9.8	9.3	9.5	9.2	9.0	9.2	8.2	8.5	8.2	7.7	6.5
94-2	10.0	10.0	10.0	10.0	9.8	9.8	9.7	9.3	9.5	9.5	9.2	8.8
94-4	10.0	10.0	10.0	10.0	9.8	9.7	9.7	9.3	9.5	9.7	9.3	8.8
94-30	10.0	10.0	10.0	10.0	9.8	9.5	9.3	9.0	9.3	9.3	8.0	7.7
94-83	10.0	9.8	10.0	9.7	9.7	8.7	8.3	7.8	7.7	7.3	7.0	5.0
94-85	10.0	10.0	10.0	10.0	10.0	9.4	8.8	8.5	8.5	8.2	7.7	6.0
94-96	10.0	10.0	10.0	10.0	9.7	9.3	9.3	8.2	9.0	9.0	9.0	8.2
94-100	10.0	10.0	10.0	9.8	9.7	9.3	9.0	8.0	8.8	8.8	8.7	7.7
94-112	10.0	10.0	10.0	10.0	10.0	9.7	9.7	8.8	9.5	9.7	9.0	9.0
Paint-Solvent, White (90 sec)												
94-95	10.0	9.7	9.8	9.5	9.3	9.2	9.3	8.5	8.8	8.7	8.7	7.5
Paint-Water, White (60 sec)												
93-1	10.0	9.7	9.7	10.0	9.0	9.0	9.1	8.7	9.0	9.2	7.1	6.8
93-14	10.0	9.7	9.7	9.5	9.3	9.2	9.3	8.7	9.0	8.5	8.7	7.2
93-81	10.0	9.8	9.7	9.5	9.5	9.2	9.3	9.0	9.2	9.2	8.8	8.3
93-84	10.0	9.8	9.7	9.7	9.5	9.0	9.2	8.8	9.5	9.3	7.8	8.2
93-87	10.0	10.0	9.7	9.5	9.3	9.0	9.2	8.8	9.0	9.0	8.2	7.3
93-92	10.0	9.2	9.3	8.8	9.0	8.5	9.0	8.4	8.5	8.3	8.2	6.6
93-97	10.0	8.0	7.8	7.0	7.5	7.5	8.2	6.3	7.0	5.9	4.8	3.5
93-103	10.0	9.8	9.5	9.5	9.0	9.3	9.0	8.3	8.7	8.7	8.5	7.5
94-5	10.0	9.8	9.7	10.0	9.7	9.3	9.3	9.2	9.3	9.3	8.5	8.3
94-8	10.0	9.7	9.7	9.8	9.2	9.3	9.2	9.0	9.2	9.2	8.5	8.2
94-12	10.0	9.8	9.7	10.0	9.3	9.0	9.0	9.0	9.2	9.3	7.7	6.7

TABLE 17. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)												
94-15	10.0	9.8	9.7	9.9	9.3	9.2	9.0	9.0	9.0	9.3	8.3	8.2
94-21	10.0	9.8	9.7	10.0	9.2	9.2	9.2	9.2	9.3	9.3	8.8	8.2
94-26	10.0	9.7	9.5	9.2	9.0	9.3	9.2	8.3	8.8	8.6	8.2	6.7
94-28	10.0	9.3	9.7	9.2	8.8	9.0	9.0	8.3	8.7	8.2	7.7	6.2
94-31	10.0	9.8	9.7	9.7	9.5	9.2	9.2	8.7	9.0	9.2	7.7	6.5
94-88	10.0	10.0	9.7	9.7	9.2	9.0	9.0	8.5	8.3	8.5	8.3	7.3
94-92	10.0	8.8	8.8	8.5	8.8	8.2	8.3	7.7	7.4	6.3	5.8	4.7
94-94	10.0	9.7	9.7	9.3	9.2	9.2	9.0	8.8	9.0	9.0	7.7	7.0
94-107	10.0	9.7	9.7	9.8	9.3	9.2	9.5	8.8	9.2	8.8	8.8	7.5
94-114	10.0	9.7	10.0	9.7	9.3	9.3	9.3	9.0	8.8	9.2	8.5	8.3
94-123	10.0	9.7	9.8	9.5	9.5	9.3	9.0	8.6	8.8	9.0	8.2	7.5
94-124	10.0	9.8	9.7	9.6	9.0	8.8	9.0	8.0	8.8	9.0	7.0	6.3
Paint-Water, Yellow (60 sec)												
93-2	10.0	10.0	10.0	10.0	9.8	9.3	9.1	9.0	9.4	9.3	8.2	7.9
93-8	10.0	10.0	10.0	10.0	9.8	9.3	9.0	8.7	9.0	9.3	8.0	7.8
93-15	10.0	10.0	10.0	10.0	9.5	9.3	9.3	8.8	9.7	8.7	9.2	7.8
93-82	10.0	8.6	9.0	8.7	8.3	8.2	8.5	8.7	8.2	7.7	7.2	6.8
93-83	10.0	9.7	9.8	9.7	9.5	9.2	9.2	8.8	8.8	8.7	8.7	7.8
93-85	10.0	10.0	9.8	10.0	9.7	9.5	9.3	9.0	9.3	9.3	9.0	8.7
93-86	10.0	10.0	10.0	10.0	9.7	9.3	9.5	9.3	9.3	9.2	8.7	8.5
93-88	10.0	9.7	9.5	9.7	9.7	9.2	9.0	8.8	9.3	8.7	8.5	7.8
93-89	10.0	9.5	9.3	9.0	9.2	8.8	8.8	8.7	8.7	8.9	7.8	7.5
93-90	10.0	9.3	9.3	8.7	8.8	8.8	8.5	8.8	8.3	8.2	7.5	7.3
93-91	10.0	9.5	9.5	9.7	9.3	9.2	9.2	9.0	9.3	9.0	8.7	7.7
93-96	10.0	7.5	7.2	7.2	7.7	7.0	6.8	6.5	6.5	6.3	4.8	4.5

TABLE 17. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
93-102	10.0	10.0	10.0	9.7	9.3	9.2	9.3	8.8	8.8	8.8	8.3	7.8
93-104	10.0	10.0	10.0	10.0	9.5	9.7	9.3	9.2	9.5	9.2	8.8	8.5
93-105	10.0	8.2	7.7	7.5	8.0	7.2	7.5	7.0	7.0	6.8	5.5	4.8
94-6	10.0	10.0	10.0	10.0	9.3	9.2	9.5	9.0	9.3	9.0	8.7	8.2
94-7	10.0	10.0	10.0	10.0	9.8	9.3	9.3	9.2	9.3	9.3	8.8	8.7
94-9	10.0	9.6	9.4	9.3	9.3	8.8	9.0	9.0	9.0	8.3	8.0	7.6
94-10	10.0	9.4	9.2	9.4	8.8	8.7	9.0	8.6	8.7	8.3	7.7	7.3
94-11	10.0	9.7	9.7	9.8	9.7	9.7	9.7	9.2	9.3	8.8	8.7	7.8
94-13	10.0	9.7	9.7	10.0	9.3	9.3	9.2	8.8	9.2	9.2	8.7	8.7
94-14	10.0	9.6	9.8	9.6	9.2	9.1	9.3	9.0	8.8	8.8	7.3	7.0
94-16	10.0	10.0	9.7	10.0	9.7	9.2	9.5	9.0	9.2	9.2	9.3	8.7
94-17	10.0	9.8	9.8	10.0	9.8	9.5	9.3	9.3	9.3	9.2	8.8	8.3
94-22	10.0	9.9	9.7	9.5	9.3	9.2	9.2	8.8	8.7	8.7	7.0	7.0
94-23	10.0	9.8	9.8	10.0	9.8	9.5	9.3	9.3	9.5	9.2	8.5	8.5
94-27	10.0	10.0	9.8	10.0	9.3	9.3	9.3	9.2	9.2	9.0	8.3	8.3
94-29	10.0	8.5	8.3	8.2	8.3	7.8	8.0	8.0	7.7	7.3	6.5	6.0
94-32	10.0	10.0	10.0	10.0	9.8	9.3	9.0	8.8	9.2	9.3	8.2	7.9
94-82	10.0	8.3	7.7	7.7	7.8	7.3	7.2	7.2	6.7	7.0	5.2	4.8
94-84	10.0	9.7	9.7	9.7	9.5	9.5	9.3	8.8	9.2	8.7	8.7	7.5
94-86	10.0	7.3	7.5	6.8	7.2	6.8	6.8	6.7	6.7	6.2	4.9	4.8
94-91	10.0	10.0	10.0	10.0	9.7	9.5	9.3	8.9	9.2	9.2	9.0	8.3
94-97	10.0	10.0	10.0	10.0	10.0	9.5	9.5	9.2	9.5	9.3	8.8	8.2
94-98	10.0	10.0	10.0	10.0	9.7	9.8	9.3	9.0	9.2	9.3	8.3	8.0
94-108	10.0	10.0	10.0	10.0	10.0	9.7	9.7	9.7	9.8	10.0	9.3	9.2
94-109	10.0	10.0	10.0	10.0	10.0	9.7	9.7	9.5	9.8	10.0	9.3	9.7

TABLE 17. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)												
94-110	10.0	10.0	10.0	10.0	9.7	9.3	9.3	9.0	9.7	9.3	8.5	8.3
94-111	10.0	10.0	10.0	10.0	9.7	9.3	9.3	8.3	9.3	8.8	8.7	8.0
94-115	10.0	10.0	9.9	9.5	9.7	9.2	9.2	8.8	8.8	9.0	8.5	7.5
94-122	10.0	10.0	10.0	10.0	9.3	9.2	9.0	9.0	9.0	9.3	8.2	7.7
94-125	10.0	10.0	8.2	8.1	8.0	7.9	7.7	6.8	7.5	7.5	6.2	5.7
Paint-Water, Yellow (90 sec)												
94-19	10.0	10.0	10.0	10.0	9.7	9.2	9.2	9.0	9.0	9.3	8.8	8.3
Paint-Water, Yellow (180 sec)												
94-20	10.0	9.9	10.0	10.0	10.0	9.3	9.3	9.0	9.3	9.3	8.8	8.7
Paint-Polyester, White												
93-5	10.0	9.8	9.2	9.0	8.8	8.2	8.2	7.7	7.7	7.8	6.3	6.7
93-70	10.0	9.4	8.9	8.9	9.2	8.3	8.0	8.8	8.1	7.8	6.9	6.8
93-73	10.0	9.4	8.8	8.4	8.5	8.0	7.3	7.8	7.2	7.9	6.4	6.8
94-24	10.0	9.5	9.0	8.8	8.3	8.2	7.6	8.5	7.8	8.1	6.8	6.7
94-81	10.0	7.8	7.3	6.5	5.9	5.2	4.5	3.7	3.3	3.2	2.3	2.2
Paint-Polyester, Yellow												
93-6	10.0	9.5	8.7	8.3	7.9	7.3	7.0	6.2	6.5	6.5	5.2	5.6
93-7	10.0	9.0	8.2	7.1	6.3	6.3	6.0	5.3	5.0	5.0	4.3	4.1
93-71	10.0	6.1	2.9	1.6	2.0	1.2	0.9	1.4	0.6	0.9	0.4	0.4
93-72	10.0	8.4	5.8	4.7	4.3	4.0	3.4	2.7	2.5	2.8	1.5	1.0
93-74	10.0	8.8	7.7	7.2	7.0	6.6	5.8	4.7	5.7	5.7	4.6	4.4
94-25	10.0	9.8	9.5	9.4	9.2	8.8	8.7	8.3	8.3	8.5	7.4	7.8
94-34	10.0	9.4	9.0	8.5	8.3	7.6	7.3	6.6	6.9	7.3	5.8	6.3
94-35	10.0	9.2	8.2	7.5	7.0	6.3	6.2	6.2	5.3	5.4	4.7	4.3
94-89	10.0	7.7	7.8	6.6	6.5	5.8	5.3	4.0	4.4	4.6	3.7	4.0

TABLE 17. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Polyester, Yellow												
94-90	10.0	9.8	9.2	8.5	8.0	7.8	7.5	6.3	6.6	7.1	5.4	5.5
Paint-Multipolymer, White												
93-61	10.0	9.3	8.7	8.3	8.2	7.7	7.0	6.2	7.3	7.7	7.5	7.3
Paint-Multipolymer, Yellow												
93-114	10.0	9.2	8.8	8.2	8.2	7.5	7.0	6.7	7.5	7.3	7.5	7.3
Thermoplastic-Alkyd, White												
93-35	10.0	9.9	9.8	9.7	9.8	9.3	9.5	9.0	9.3	9.5	8.8	9.2
93-41	10.0	10.0	9.8	10.0	9.5	9.3	9.3	9.2	9.3	9.5	9.5	9.6
93-43	10.0	10.0	9.8	10.0	9.5	9.3	9.3	9.2	9.2	9.5	8.8	9.4
93-47	10.0	10.0	10.0	10.0	9.5	9.5	9.3	9.3	9.3	9.3	9.2	9.7
93-58	10.0	9.8	9.5	9.3	9.2	9.2	9.2	9.3	9.2	9.2	9.2	9.5
93-69	10.0	10.0	10.0	10.0	9.3	9.5	9.3	9.2	9.2	9.2	9.2	9.5
94-39	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.3	9.3	9.3	9.7	9.7
94-45	10.0	9.8	9.8	10.0	9.7	9.5	9.5	9.2	9.3	9.3	9.3	9.5
94-74	10.0	10.0	10.0	10.0	9.3	9.7	9.3	9.3	9.3	9.3	9.5	9.7
94-102	10.0	10.0	10.0	10.0	9.4	9.3	9.3	9.5	9.3	9.3	9.0	9.0
94-120	10.0	10.0	10.0	9.7	9.3	9.5	9.2	9.2	9.3	9.2	9.2	9.5
Thermoplastic-Alkyd, Yellow												
93-36	10.0	10.0	10.0	10.0	9.5	9.3	9.3	9.3	9.3	9.5	9.5	9.7
93-39	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.3	9.3	9.3	9.3	9.5
93-40	10.0	10.0	10.0	10.0	9.7	9.7	9.3	9.3	9.3	9.3	9.3	9.3
93-42	10.0	10.0	10.0	10.0	9.7	9.5	9.5	9.0	9.3	9.5	9.3	9.5
93-46	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.8	9.8	9.3	9.7	9.7
93-48	10.0	10.0	10.0	10.0	9.7	9.5	9.7	9.3	9.3	9.3	9.3	9.5
93-59	10.0	10.0	10.0	10.0	9.7	9.5	9.5	9.5	9.3	9.5	9.3	9.7

TABLE 17. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, Yellow (cont.)												
93-68	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.3	9.3	9.5	9.5	9.7
94-40	10.0	10.0	10.0	10.0	9.5	9.3	9.7	9.3	9.3	9.3	9.3	9.5
94-42	10.0	9.8	10.0	10.0	9.5	9.3	9.5	9.3	9.3	9.3	9.3	9.4
94-46	10.0	10.0	10.0	10.0	9.7	9.3	9.7	9.3	9.3	9.3	9.3	9.5
94-51	10.0	10.0	10.0	10.0	10.0	9.5	9.8	9.8	9.7	9.8	9.5	9.7
94-71	10.0	10.0	10.0	10.0	10.0	9.8	9.5	9.6	9.3	9.7	9.3	9.7
94-75	10.0	10.0	10.0	10.0	10.0	9.8	9.3	9.7	9.3	9.7	9.3	9.5
94-101	10.0	10.0	10.0	10.0	9.0	9.3	9.3	9.3	9.3	9.3	9.0	9.0
94-103	10.0	10.0	10.0	10.0	9.5	9.3	9.3	9.3	9.3	9.3	9.0	9.0
94-104	10.0	10.0	10.0	9.8	9.0	9.3	9.3	9.4	9.3	9.3	9.0	9.0
94-105	10.0	10.0	10.0	10.0	9.7	9.3	9.3	9.4	9.3	9.3	9.0	9.0
94-118	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.3	9.3	9.5	9.5	9.7
94-119	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.3	9.3	9.3	9.3	9.7
Thermoplastic-Hydrocarbon, White												
93-32	10.0	10.0	10.0	10.0	10.0	9.3	9.2	9.2	8.5	9.0	7.7	7.3
93-44	10.0	10.0	9.8	10.0	9.7	9.5	9.3	9.5	9.3	9.3	9.3	9.7
93-66	10.0	10.0	10.0	9.7	9.3	9.5	9.3	9.1	9.5	9.3	9.1	9.3
94-37	10.0	10.0	9.8	10.0	9.5	9.4	9.2	9.3	9.3	9.3	9.3	9.6
94-43	10.0	10.0	9.8	10.0	9.2	9.2	9.3	9.3	9.2	9.3	9.3	9.2
94-72	10.0	9.7	9.7	9.8	9.2	9.2	9.2	9.0	9.3	8.8	8.5	9.0
94-106	10.0	10.0	10.0	10.0	9.7	10.0	9.3	9.4	9.3	9.3	9.3	9.0
94-121	10.0	9.5	9.7	9.3	9.0	8.8	8.8	8.3	8.7	8.8	8.8	8.8
Thermoplastic-Hydrocarbon, Yellow												
93-28	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.5	9.3	9.5	9.5	9.7
93-29	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.7	9.3	9.7	9.3	9.7

TABLE 17. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, Yellow (cont.)												
93-33	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.0	9.2	8.8	8.0	7.8
93-34	10.0	10.0	10.0	9.8	9.8	9.7	9.2	8.3	8.0	7.7	7.2	6.3
93-45	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.7	9.3	9.5	9.7
93-60	10.0	10.0	10.0	10.0	9.8	9.8	9.7	9.5	9.3	9.6	9.1	9.7
93-67	10.0	9.7	9.7	10.0	9.2	9.5	9.5	8.9	9.3	9.3	8.8	9.4
94-38	10.0	10.0	10.0	10.0	9.5	9.5	9.5	9.3	9.3	9.3	9.5	9.7
94-41	10.0	9.8	10.0	10.0	9.2	9.3	9.7	9.3	9.3	9.3	9.3	9.7
94-44	10.0	10.0	10.0	10.0	9.7	9.5	9.7	9.3	9.3	9.3	9.5	9.5
94-47	10.0	10.0	10.0	10.0	9.7	9.5	9.7	9.3	9.3	9.3	9.7	9.7
94-49	10.0	10.0	10.0	10.0	10.0	9.5	9.8	9.7	9.7	9.8	9.5	9.7
94-73	10.0	10.0	10.0	10.0	9.8	9.8	9.7	9.6	9.7	9.3	9.3	9.5
94-116	10.0	10.0	10.0	10.0	9.3	9.5	9.5	9.3	9.5	9.3	9.3	9.7
94-117	10.0	10.0	10.0	10.0	9.5	9.5	9.7	9.0	9.3	9.5	9.2	9.4
Thermoplastic-Preformed, White												
93-37	10.0	10.0	10.0	10.0	9.8	9.3	9.3	9.2	9.3	9.3	9.2	9.7
93-38	10.0	10.0	10.0	10.0	9.8	9.5	9.3	9.0	9.3	9.3	9.5	9.7
93-54	10.0	10.0	10.0	10.0	9.5	9.5	9.2	9.3	9.3	9.3	9.3	9.5
93-55	10.0	10.0	10.0	10.0	9.5	9.5	9.2	9.3	9.3	9.3	9.0	9.3
94-77	10.0	10.0	10.0	10.0	9.7	9.5	9.2	9.3	9.3	9.3	9.3	9.5
94-78	10.0	10.0	10.0	10.0	9.7	9.5	9.2	9.5	9.3	9.3	9.2	9.5
Thermoplastic-Preformed, Yellow												
93-30	10.0	10.0	10.0	10.0	10.0	9.7	9.7	9.3	9.3	9.3	9.5	9.7
93-31	10.0	10.0	10.0	10.0	10.0	9.8	9.5	9.2	9.3	9.3	9.5	9.7
94-76	10.0	10.0	10.0	10.0	9.8	9.8	9.3	9.5	9.3	9.3	9.3	9.5

TABLE 17. Appearance Data for Beaded Paint, Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	SUBJECTIVE RATINGS											
	MAY 1994	JUNE 1994	JULY 1994	AUG 1994	SEPT 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Permanent Tape, White												
93-23	10.0	10.0	10.0	10.0	9.9	9.5	9.3	9.7	9.3	9.3	9.3	9.7
93-25	10.0	10.0	10.0	10.0	10.0	10.0	9.6	10.0	9.8	10.0	9.3	9.7
93-26	10.0	10.0	10.0	10.0	10.0	10.0	9.7	10.0	10.0	10.0	9.5	9.7
93-49	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0	9.7	9.3	9.5	9.7
93-106	10.0	10.0	10.0	10.0	10.0	9.8	10.0	9.9	10.0	9.8	10.0	9.9
93-108	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.8
94-56	10.0	10.0	10.0	10.0	9.9	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-57	10.0	10.0	10.0	10.0	9.8	9.7	9.7	10.0	10.0	9.7	9.7	9.8
94-68	10.0	10.0	10.0	9.8	9.7	9.7	9.7	9.8	9.5	9.3	9.3	9.8
94-70	10.0	10.0	10.0	10.0	9.7	9.5	9.5	9.8	9.5	9.3	9.3	9.7
Permanent Tape, Yellow												
93-17	10.0	10.0	10.0	10.0	10.0	9.7	9.8	10.0	9.8	10.0	9.5	9.7
93-24	10.0	10.0	10.0	10.0	9.8	9.5	9.3	9.7	9.3	9.3	9.3	9.7
93-27	10.0	10.0	10.0	10.0	10.0	9.7	9.7	9.8	9.5	10.0	9.4	9.7
93-48	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.7	9.5	9.8
93-107	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	9.8	10.0	10.0
93-109	10.0	9.8	9.8	9.8	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.8
94-67	10.0	10.0	10.0	9.8	9.7	9.5	9.7	10.0	9.5	9.3	9.3	9.8
94-69	10.0	10.0	10.0	10.0	9.8	9.8	9.7	10.0	9.5	9.3	9.3	9.7
Temporary Tape, White												
93-56	10.0	10.0	9.5	9.2	9.2	9.0	9.2	9.0	8.5	8.7	8.2	8.0
Temporary Tape, Yellow												
93-57	10.0	10.0	9.5	9.7	9.0	8.5	8.5	9.0	7.8	8.0	7.2	6.8
93-64	10.0	9.8	9.5	8.7	8.8	8.5	7.8	8.3	7.8	7.5	7.0	6.8

TABLE 18. Appearance Ratings for Removable Tape Lines on Asphalt Pavement (Alabama)

SAMPLE NUMBER		JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG.**
Removable Tape, Yellow								
93-18	T	10.0	10.0	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-19	T	10.0	10.0	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-21	T	10.0	10.0	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-22	T	10.0	*	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-51	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-53	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-62	T	9.7	8.0	6.6	5.7	5.0	5.0	6.7
	L	10.0	10.0	10.0	9.0	10.0	9.0	9.7
93-110	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-65	T	10.0	10.0	10.0	10.0	9.7	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-80	T	7.2	6.3	7.3	6.3	7.0	5.0	6.5
	L	10.0	10.0	10.0	10.0	10.0	9.0	9.8
Removable Tape, White								
93-16	T	10.0	10.0	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-20	T	10.0	10.0	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-50	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0

TABLE 18. Appearance Ratings for Removable Tape Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER		JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG.**
93-52	T	10.0	10.0	9.7	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	*	*	10.0
93-63	T	6.3	*	*	*	*	*	6.3
	L	10.0	7.4	9.7	9.0	9.5	9.0	9.1
94-66	T	10.0	8.0	7.5	10.0	9.7	0.0	7.5
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-79	T	*	*	*	*	*	*	*
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Removable Tape, Black								
93-111	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-60	T	10.0	8.0	10.0	10.0	10.0	10.0	9.7
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0

T Transverse Stripe
L Longitudinal Stripe

* Tape Missing

** Average of months where tape was remaining.

Table 19. Appearance Ratings for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama)

SAMPLE NUMBER		JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG**
Removable Tape, Yellow								
93-18	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-19	T	10.0	10.0	2.0	*	*	*	7.3
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-21	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-22	T	10.0	10.0	2.0	*	*	*	7.3
	L	10.0	10.0	*	*	*	*	10.0
93-51	T	10.0	10.0	10.0	10.0	9.0	9.7	9.8
	L	10.0	10.0	10.0	10.0	9.0	10.0	9.8
93-53	T	10.0	10.0	10.0	10.0	9.0	9.7	9.8
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-62	T	10.0	9.6	8.7	9.3	9.0	8.7	9.2
		10.0	3.1	*	*	*	*	6.6
	L							
93-110	T	10.0	10.0	10.0	10.0	9.3	10.0	9.9
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-65	T	10.0	10.0	10.0	10.0	9.0	10.0	9.8
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-80	T	9.0	9.0	9.0	9.0	9.0	9.3	9.1
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Removable Tape, White								
93-16	T	10.0	10.0	9.9	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-20	T	10.0	*	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-50	T	10.0	10.0	10.0	10.0	9.0	10.0	9.8
	L	10.0	10.0	10.0	10.0	9.0	10.0	9.8
93-52	T	10.0	10.0	10.0	10.0	9.0	10.0	9.8
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0

Table 19. Appearance Ratings for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama)

SAMPLE NUMBER		JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG**
93-63	T	7.3	7.0	6.2	6.3	7.0	9.0	7.1
	L	10.0	1.5	*	*	*	*	5.8
94-66	T	10.0	10.0	10.0	10.0	9.0	10.0	9.8
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-79	T	9.0	9.0	9.0	9.0	9.0	9.3	9.1
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Removable Tape, Black								
93-111	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-60	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	7.5	10.0	10.0	10.0	9.6

T Transverse Stripe
L Longitudinal Stripe

* Tape Missing

** Average of months where tape was remaining

TABLE 20. Colorimeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec)											
93-3**	57.1	51.2	46.9	41.8	39.7	38.2	36.4	36.8	32.7	26.6	27.5
	58.3	51.9	46.5	45.4	38.4	38.4	38.6	35.1	33.2	28.3	29.2
93-12	42.7	38.2	34.5	34.4	27.1	30.2	28.7	27.5	27.5	19.6	20.4
	44.2	40.7	40.4	39.5	32.4	31.7	32.8	29.9	28.5	26.1	26.8
93-75	38.3	37.8	33.0	33.6	25.9	26.4	26.8	26.5	26.4	19.9	23.2
	45.4	40.9	40.2	41.4	31.5	33.1	31.6	32.2	27.1	25.6	27.1
93-77	40.9	41.7	36.4	28.5	28.3	30.5	28.2	29.9	26.7	21.3	23.6
	45.2	42.4	41.9	42.7	33.9	36.5	34.9	30.6	32.2	28.8	29.8
93-79	38.5	37.9	40.3	31.1	29.5	29.9	28.5	29.4	24.3	20.5	21.8
	41.9	40.4	38.5	40.4	32.0	31.0	34.3	31.4	29.6	27.8	28.3
93-95	46.5	43.2	39.1	35.9	34.8	33.6	29.0	34.6	28.9	25.0	25.8
	47.6	41.3	40.6	35.5	32.4	28.4	29.2	28.8	29.9	25.1	25.3
93-99	46.7	45.6	41.7	36.2	35.5	32.5	33.7	32.6	30.9	25.5	24.9
	43.3	46.7	42.0	44.2	39.8	40.8	39.9	38.0	33.3	32.2	32.1
93-101	40.2	37.7	38.3	28.1	30.7	29.7	28.8	27.2	27.2	23.0	22.5
	47.1	44.6	42.2	33.9	35.1	33.8	33.5	32.7	29.5	28.8	29.3
93-113	30.1	29.7	28.4	26.5	22.4	24.1	21.7	23.3	21.0	16.0	17.6
	31.6	30.1	28.8	32.1	24.6	27.1	26.8	25.3	23.6	21.7	19.9
94-1	41.9	37.5	35.3	33.4	28.5	29.4	26.7	31.0	28.4	20.4	21.8
	45.3	42.9	38.0	41.8	33.1	33.2	32.7	30.2	28.0	26.6	27.3
94-3	38.2	36.4	34.6	31.0	29.8	27.6	24.4	26.3	24.4	19.6	20.4
	44.6	41.1	40.0	38.5	31.6	34.9	32.5	31.8	28.2	26.9	26.0
94-33	43.0	37.8	35.8	32.2	28.2	26.9	24.9	25.3	21.3	18.6	17.7
	45.5	40.5	38.1	39.0	30.9	31.1	30.6	26.9	26.9	21.9	22.5
94-87	38.2	35.3	33.1	27.2	29.2	27.6	29.8	28.7	25.4	22.3	22.0
	43.1	37.0	39.0	35.7	31.5	32.1	32.2	27.9	28.6	26.8	26.0
94-93	37.7	38.3	40.3	30.0	31.9	29.8	28.4	28.2	27.4	24.7	25.0
	46.7	37.9	39.7	36.2	31.9	32.6	32.8	31.3	29.6	26.6	25.1
94-99	35.0	33.8	31.9	30.9	30.7	28.0	26.2	26.9	25.0	24.6	23.0
	35.7	35.4	32.4	33.4	28.1	25.7	26.6	26.8	23.3	24.5	23.0

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec) (cont.)											
94-113	41.8	37.4	33.5	31.5	28.3	27.4	27.5	29.0	28.0	23.4	22.7
	45.1	37.6	35.4	29.8	26.2	26.2	25.2	24.8	24.9	20.8	22.7
Paint-Solvent, Yellow (60 sec)											
93-4	32.6	29.8	28.7	26.9	25.3	23.6	23.2	21.4	21.8	20.6	18.3
	30.4	32.2	30.1	28.6	26.1	24.8	24.0	21.9	23.3	21.8	19.8
93-10	26.7	24.2	23.6	22.3	19.9	17.7	18.6	17.9	16.0	14.0	14.0
	29.1	26.7	26.5	24.4	22.7	20.7	21.6	19.0	18.3	16.7	16.6
93-13	34.0	32.8	29.6	29.5	27.2	25.9	26.1	24.2	23.3	19.7	19.6
	36.0	35.1	32.7	34.6	29.4	29.4	27.8	29.2	26.3	24.0	25.2
93-76	28.3	27.9	25.5	22.5	20.6	19.4	20.5	19.8	18.1	14.2	17.1
	30.2	30.0	38.6	28.3	22.1	23.4	25.5	23.5	21.2	19.7	21.2
93-78	29.5	27.0	24.8	22.5	20.3	20.7	20.3	19.8	18.9	15.9	16.8
	31.9	29.6	29.3	29.5	23.4	24.3	23.8	21.5	22.4	20.7	19.3
93-80	28.0	25.7	25.1	20.7	21.4	20.0	19.7	19.5	18.3	15.5	15.6
	29.6	26.8	25.8	25.5	22.2	21.1	22.5	21.8	19.3	18.4	18.4
93-93	28.3	25.3	25.7	24.0	24.9	23.0	23.6	23.0	22.6	18.0	19.3
	28.2	27.6	28.4	26.9	21.9	22.6	23.7	21.8	21.6	19.3	20.1
93-94	26.6	24.7	23.3	21.6	22.3	20.5	20.8	20.9	20.2	17.5	18.3
	28.4	26.1	25.1	24.2	21.6	20.7	19.5	20.3	20.0	17.3	18.5
93-98	25.8	23.4	22.3	19.2	19.1	19.7	18.7	17.9	17.0	16.3	16.1
	29.7	25.6	25.1	23.2	20.3	21.2	21.3	20.5	18.7	17.2	17.8
93-100	21.5	20.8	19.2	17.4	17.3	17.0	16.2	17.0	15.2	14.5	14.3
	24.4	21.8	20.6	20.9	18.4	16.8	17.5	16.8	16.6	17.5	14.3
93-112	42.9	39.2	43.5	32.2	30.4	30.3	31.3	31.1	30.0	20.2	24.4
	45.4	39.6	41.9	43.8	37.1	34.1	35.1	32.6	32.2	30.7	30.6
94-2	30.6	29.9	27.0	28.7	23.2	23.7	23.0	23.0	21.7	17.0	18.4
	32.8	30.8	29.9	29.6	25.1	26.2	26.3	25.3	23.4	21.8	21.1
94-4	27.9	24.5	24.0	21.9	20.4	21.3	19.6	19.2	18.1	16.5	17.0
	29.6	25.4	25.3	25.6	23.4	22.2	23.2	20.2	20.2	18.3	19.2

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, Yellow (60 sec) (cont.)											
94-30	33.1	31.1	28.8	26.9	24.8	24.8	23.1	23.5	22.5	19.6	19.0
	34.5	30.4	30.4	30.1	23.0	26.3	25.1	24.2	22.1	20.3	19.9
94-83	23.8	21.1	22.3	21.3	17.7	19.0	17.1	17.3	16.4	15.0	15.0
	28.0	24.2	22.9	22.5	19.0	19.4	19.3	18.5	17.3	16.4	16.3
94-85	24.0	22.0	21.2	20.6	18.6	18.6	17.5	16.3	16.7	14.8	15.3
	28.5	24.5	24.0	22.3	20.1	19.4	19.4	18.4	18.1	16.4	15.8
94-96	24.5	22.1	22.4	21.4	19.5	19.3	20.6	19.9	19.8	18.2	18.2
	22.4	24.7	23.0	23.6	20.3	20.1	19.8	19.2	17.8	18.5	18.5
94-112	25.4	22.9	23.6	21.2	22.2	21.0	20.9	20.9	20.0	18.9	19.4
	25.4	23.6	22.3	23.8	21.9	21.3	21.9	20.0	20.9	19.8	19.9
Paint-Solvent, White (90 sec)											
94-95	38.6	33.1	32.2	27.9	30.0	27.5	25.9	28.7	25.6	23.2	24.8
	39.2	35.8	29.9	25.6	25.6	27.7	25.4	26.5	25.2	22.8	24.0
Paint-Solvent, Yellow (90 sec)											
94-100	20.9	20.9	20.0	19.1	18.1	18.1	17.6	18.3	18.2	16.6	15.8
	22.7	22.2	21.3	22.1	19.7	19.5	19.4	18.6	17.9	18.2	16.7
Paint-Water, White (60 sec)											
93-1	44.7	49.6	43.5	43.6	47.5	45.1	39.6	40.9	36.6	34.0	38.5
	51.8	50.7	47.1	48.0	48.8	48.7	45.5	42.8	44.1	43.4	41.5
93-14	53.9	45.0	45.0	43.1	39.1	36.6	36.6	36.6	36.5	34.2	32.7
	46.9	44.8	42.0	39.5	37.4	36.5	32.9	33.9	33.1	31.4	32.6
93-81	29.5	30.9	30.9	25.8	23.0	28.9	25.1	26.8	23.5	23.9	24.8
	40.7	35.5	33.7	30.8	31.2	29.2	31.4	29.8	28.0	29.2	27.7
93-84	42.4	42.4	40.0	37.9	33.4	37.0	37.8	33.9	33.9	30.6	29.9
	45.9	44.0	37.1	43.3	36.7	35.1	32.8	37.2	32.7	32.7	31.4
93-87	34.4	30.8	31.0	26.8	26.8	27.4	26.3	26.7	25.2	24.7	24.6
	39.6	33.6	30.7	32.6	29.8	29.1	28.4	26.7	27.7	25.1	25.6
93-92	42.3	39.1	35.5	35.8	36.8	33.2	31.0	32.3	29.6	24.8	26.3
	43.9	36.7	30.5	31.0	30.4	29.7	28.6	26.8	28.2	26.0	25.1

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)											
93-97	33.6	34.0	32.5	30.1	28.0	30.3	26.0	25.9	23.7	21.8	21.1
	39.2	35.4	35.8	33.3	30.2	25.9	27.2	27.2	27.7	22.3	23.3
93-103	34.3	34.0	34.7	32.2	34.5	34.5	31.9	29.3	29.9	26.1	27.9
	40.0	37.4	36.1	39.3	30.7	33.1	34.4	30.9	29.2	26.9	26.0
94-5	43.7	37.5	36.7	34.5	34.8	31.2	33.1	31.7	28.7	26.0	25.0
	42.4	38.8	35.6	35.7	32.6	31.5	30.3	28.4	29.3	28.1	26.7
94-8	35.8	35.5	33.0	31.7	28.7	30.4	29.0	29.9	30.8	25.9	28.2
	42.0	36.6	33.6	34.5	32.0	31.6	31.4	30.4	29.9	28.3	28.4
94-12	34.1	31.8	31.7	27.9	28.3	28.5	25.2	26.6	25.3	23.0	25.3
	40.9	35.3	34.1	32.7	30.3	31.3	31.2	27.5	29.7	28.3	27.6
94-15	35.8	34.2	32.4	30.4	31.2	31.4	30.0	32.6	30.0	25.8	25.5
	39.0	34.9	31.5	32.6	29.7	31.0	31.2	33.1	30.9	30.5	29.2
94-21	37.5	36.6	33.2	31.1	32.4	30.3	30.5	33.2	28.2	25.8	26.4
	39.7	33.7	33.5	31.0	30.4	26.0	30.3	34.2	33.8	29.1	28.8
94-26	44.4	35.9	34.7	32.7	35.9	31.2	30.0	28.4	29.5	24.2	26.6
	45.1	38.5	33.9	34.4	30.6	28.2	27.7	26.9	26.7	25.7	24.8
94-28	41.3	39.9	36.9	35.3	35.5	32.5	29.8	35.2	28.7	26.7	26.4
	45.7	39.9	36.0	36.6	35.2	30.4	29.6	29.2	30.0	26.1	27.7
94-31	39.5	32.8	27.8	31.3	23.9	23.6	29.2	21.5	24.3	17.3	23.0
	46.6	39.6	40.4	41.8	33.4	36.4	37.0	28.9	27.7	32.0	31.6
94-88	38.2	40.0	36.2	38.2	34.0	31.1	33.7	31.9	30.4	25.5	26.0
	42.7	39.1	38.9	39.0	33.5	32.8	32.5	29.5	30.8	27.4	27.5
94-92	35.8	33.4	30.1	30.2	30.4	28.7	28.2	25.0	26.0	23.0	24.4
	41.0	36.8	35.5	34.8	29.6	27.7	29.2	27.6	27.3	24.2	24.6
94-94	18.0	21.5	26.8	17.5	18.8	15.4	16.6	15.0	20.7	12.3	13.5
	42.9	39.0	36.9	36.6	31.3	32.7	30.7	29.8	28.3	25.1	23.9
94-107	44.5	42.1	38.9	36.6	35.0	33.5	33.8	33.6	31.1	30.2	30.1
	45.8	41.0	39.0	37.0	35.6	30.1	32.2	33.4	31.4	29.6	29.2
94-114	27.1	18.9	21.4	27.8	24.2	21.0	18.9	22.2	19.5	18.1	17.8
	33.3	34.0	31.1	29.6	26.4	28.9	29.1	26.7	28.6	25.8	25.5

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)											
94-123	42.0	39.5	37.9	34.9	37.9	33.1	31.3	31.5	29.6	28.9	28.6
	42.0	34.2	29.5	32.6	29.7	29.6	30.3	29.4	28.4	24.5	26.4
94-124	45.3	42.3	39.9	37.8	37.5	37.3	33.7	36.5	34.1	31.8	34.3
	45.5	37.5	35.2	35.7	35.1	31.0	30.8	28.3	30.0	26.6	26.5
Paint-Water, Yellow (60 sec)											
93-2	29.4	28.1	26.9	26.6	25.0	25.4	24.2	24.2	23.7	21.9	23.1
	29.4	28.4	27.7	27.6	25.1	25.7	26.1	25.9	24.4	23.2	23.4
93-8	31.0	30.0	23.2	31.0	28.0	26.3	18.2	18.1	25.9	17.4	16.3
	33.1	33.3	31.5	31.6	31.6	30.7	31.0	29.5	28.5	28.0	27.1
93-15	27.9	25.8	24.9	23.6	22.9	21.9	21.9	22.5	20.4	18.3	19.6
	28.1	27.6	24.7	25.9	22.1	22.3	22.5	20.5	19.6	19.9	17.4
93-82	24.7	23.8	20.0	24.4	23.1	23.4	20.7	16.8	18.3	20.0	20.2
	29.1	27.7	25.5	25.6	24.9	23.1	24.8	23.5	22.2	23.0	21.4
93-83	27.3	25.0	23.6	23.5	19.0	22.9	20.5	19.7	19.5	21.1	20.8
	27.5	26.9	24.1	24.2	23.8	22.6	23.0	22.1	22.8	21.7	22.9
93-85	25.1	23.2	22.7	20.9	20.3	18.3	19.7	19.3	19.0	17.5	17.9
	26.1	22.9	21.0	21.3	18.6	18.0	19.3	18.9	17.9	16.9	16.9
93-86	28.0	25.9	27.1	23.2	23.7	21.4	21.7	22.6	22.2	20.4	19.5
	27.4	26.6	25.4	24.6	22.5	21.0	22.7	21.7	21.7	19.5	20.4
93-88	24.8	22.5	19.5	20.8	18.0	21.1	17.4	21.6	19.5	19.4	18.7
	24.2	21.7	20.9	21.2	19.8	20.5	20.5	18.4	20.3	17.5	18.0
93-89	20.1	23.0	19.9	21.2	17.8	21.5	18.4	20.3	16.8	18.7	18.4
	27.4	25.9	23.7	23.5	22.9	20.8	21.2	21.8	20.4	20.4	18.1
93-90	26.9	23.3	22.9	21.9	23.2	20.5	21.1	21.7	19.9	17.3	20.1
	27.7	24.2	23.0	23.1	18.2	18.6	19.2	18.8	19.0	18.1	18.8
93-91	25.0	21.6	20.5	20.2	20.2	18.8	18.3	20.5	19.0	15.6	16.6
	25.5	22.6	20.7	20.1	18.6	17.8	18.8	18.1	17.8	15.9	16.6
93-96	24.2	20.6	21.8	19.8	20.4	19.7	18.1	17.2	17.5	16.6	17.5
	28.3	26.4	26.1	23.5	20.6	22.7	22.1	19.5	21.1	19.2	18.8

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)											
93-102	20.7	20.5	21.4	17.9	16.4	17.5	16.7	17.8	17.6	15.0	14.6
	24.4	22.8	21.6	21.4	18.8	19.6	18.8	17.6	17.5	17.6	15.6
93-104	24.7	24.7	25.1	22.7	23.7	21.3	21.3	23.5	21.3	17.6	18.8
	27.0	25.7	24.1	24.9	21.5	23.1	21.9	21.9	20.5	19.8	19.4
93-105	21.7	19.7	18.4	18.3	17.9	18.4	18.0	18.1	16.0	15.2	15.8
	22.5	22.9	21.7	21.0	19.1	18.2	19.5	17.1	16.8	17.0	16.3
94-6	23.4	22.4	21.8	20.3	21.4	18.9	18.8	19.0	17.8	17.3	17.0
	24.6	22.4	21.8	21.7	18.6	16.9	18.2	17.8	17.3	16.5	16.6
94-7	25.7	22.8	23.8	20.8	20.0	19.5	19.3	19.6	17.3	18.2	18.2
	25.8	23.9	22.3	22.5	19.8	20.4	20.5	20.6	18.4	18.7	18.5
94-9	25.5	21.8	20.8	22.5	21.2	20.0	21.0	20.8	17.3	18.8	18.1
	29.5	26.9	25.8	26.3	23.9	23.1	23.5	23.9	23.0	22.0	21.6
94-10	23.4	21.2	21.3	20.4	19.4	19.8	20.1	19.8	16.5	18.0	18.2
	25.6	24.5	21.6	22.8	20.6	19.3	20.6	19.9	21.0	18.8	19.2
94-11	25.8	23.5	22.7	21.5	20.0	21.5	20.0	21.5	18.7	16.4	18.7
	27.2	26.0	23.1	24.1	21.5	20.6	21.9	21.1	20.0	18.9	19.7
94-13	20.8	20.0	19.6	19.3	16.4	18.2	17.1	18.2	16.9	15.8	15.4
	24.1	21.6	20.7	19.9	19.2	18.0	18.2	17.2	16.7	16.0	16.5
94-14	21.8	18.6	20.2	18.3	16.9	18.3	17.3	18.1	16.6	15.4	14.9
	23.4	22.6	20.8	21.4	20.4	18.6	19.8	18.5	18.0	17.7	17.0
94-16	27.1	22.2	24.1	20.1	19.2	20.1	21.4	18.8	17.7	18.0	16.5
	22.4	20.3	18.9	19.0	17.5	18.4	17.2	17.5	17.6	14.5	15.3
94-17	26.1	25.2	26.2	22.7	21.0	22.5	21.0	21.5	21.2	20.8	21.0
	26.4	24.6	24.2	23.6	22.6	21.7	22.7	20.3	19.4	21.0	18.6
94-22	23.4	21.6	20.6	20.8	17.1	19.3	17.6	19.2	16.3	17.0	16.3
	25.2	22.2	20.0	21.4	20.1	19.4	20.8	20.8	18.9	18.6	17.4
94-23	24.3	23.8	22.1	22.3	21.0	20.8	21.1	18.3	16.2	18.2	17.6
	24.7	22.4	21.8	23.0	19.9	20.4	18.4	20.2	18.2	18.8	18.2
94-27	22.7	20.0	19.4	18.7	18.2	17.0	17.3	17.8	17.1	15.4	15.7
	25.0	20.0	20.0	20.9	18.6	17.2	17.7	17.7	17.2	16.1	16.3

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)											
94-29	21.5	20.0	19.2	19.3	19.3	17.8	17.5	18.7	17.7	15.4	17.1
	22.8	20.5	19.4	18.3	17.6	17.1	16.9	17.3	16.8	15.9	15.5
94-32	31.4	24.8	23.0	28.4	25.7	25.8	25.4	26.1	24.5	20.8	23.0
	32.0	28.8	28.5	31.4	29.1	26.6	26.5	23.0	21.8	22.1	22.4
94-82	24.5	24.6	24.9	18.5	19.2	18.6	20.8	18.7	19.6	16.1	17.3
	30.3	28.8	27.5	28.8	25.2	24.0	21.2	23.2	22.0	22.2	19.3
94-84	25.1	23.9	25.2	18.2	19.3	18.9	22.8	19.9	18.9	16.5	17.6
	29.6	28.5	26.5	25.7	23.5	22.8	24.0	22.0	22.4	19.5	18.1
94-86	21.6	21.9	20.9	19.7	17.8	19.6	18.8	17.4	16.7	15.3	16.6
	24.6	24.6	21.2	24.3	21.5	19.7	21.0	19.3	18.4	17.6	19.2
94-91	26.4	24.1	23.3	21.5	21.4	21.5	22.5	20.8	21.5	18.6	18.1
	28.1	25.1	25.4	24.1	23.5	21.6	21.7	20.0	19.2	18.8	18.1
94-97	21.0	19.7	18.4	16.4	18.1	16.2	15.9	19.3	19.0	14.6	14.1
	24.6	23.6	22.9	22.3	21.9	20.7	18.0	19.9	20.7	18.8	16.1
94-98	20.9	18.3	19.8	20.1	18.5	17.3	16.6	16.2	17.5	15.1	16.0
	22.0	22.3	19.6	18.9	17.9	17.3	17.6	16.9	17.7	16.6	16.2
94-108	30.2	29.7	26.1	25.7	24.1	25.7	23.7	24.4	23.8	20.8	21.3
	30.7	25.9	26.2	26.5	25.1	23.7	23.3	24.0	22.3	21.4	21.5
94-109	31.0	29.6	27.5	30.6	26.6	24.9	25.7	25.6	25.4	22.2	23.2
	31.0	29.6	28.0	27.4	23.0	24.4	23.8	22.5	22.8	22.7	20.4
94-110	30.4	28.8	27.5	25.6	25.4	24.7	25.9	21.2	22.5	21.0	21.1
	24.6	28.3	27.2	28.4	25.2	25.0	24.8	24.5	22.3	22.4	21.1
94-111	29.4	27.2	25.3	23.7	22.9	22.4	22.8	23.9	22.2	19.3	20.0
	32.0	26.1	26.2	24.4	22.4	23.8	21.1	22.8	20.5	17.3	19.9
94-115	26.1	22.2	21.0	21.1	22.0	19.7	18.9	20.2	19.2	17.8	17.2
	24.4	21.5	21.7	20.7	18.3	19.0	18.5	18.7	18.2	17.7	17.3
94-122	30.5	27.8	28.1	25.6	24.0	23.1	23.9	25.1	22.5	20.4	20.1
	32.1	29.5	25.8	27.9	26.5	25.7	25.7	25.0	24.0	22.4	23.6
94-125	23.8	19.7	19.5	19.5	19.1	16.9	16.9	16.8	17.0	15.8	16.3
	17.6	18.9	19.1	19.0	17.8	17.7	16.2	16.5	16.1	15.4	14.9

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (90 sec)											
94-19	21.4	21.9	20.0	19.1	19.4	17.6	17.4	17.9	16.6	16.1	16.6
	21.7	20.4	19.5	18.6	17.6	16.2	17.4	16.6	18.1	17.1	16.3
Paint-Water, Yellow (180 sec)											
94-20	23.3	23.6	22.9	20.7	21.7	20.1	20.6	20.7	21.2	18.8	18.8
	24.8	23.3	22.1	22.6	20.9	19.3	18.9	21.6	18.9	19.0	18.5
Paint-Polyester, White											
93-5	33.9	26.8	24.0	22.7	18.1	17.9	16.1	10.2	12.7	10.0	12.3
	35.8	32.8	30.7	22.5	22.1	23.8	26.5	26.3	24.7	24.6	22.4
93-70	35.7	38.5	33.7	23.6	20.9	29.6	26.4	26.5	24.1	25.4	22.9
	44.5	42.0	44.6	34.3	21.7	33.3	35.2	36.3	28.9	30.4	29.4
93-73	43.4	42.7	37.2	33.5	25.5	36.0	33.1	35.5	30.1	30.5	26.9
	41.5	41.8	38.3	33.0	23.0	36.4	37.2	37.0	32.1	31.6	31.1
94-24	45.3	45.1	43.1	34.5	26.7	38.6	33.2	32.1	30.6	28.6	30.3
	43.3	42.3	40.0	36.2	26.3	37.8	37.4	36.6	30.9	32.5	32.9
94-81	38.3	34.1	31.1	26.3	22.6	27.1	24.7	25.6	23.0	20.3	20.9
	40.6	37.9	32.5	29.0	20.3	28.2	27.6	27.4	23.5	27.1	23.2
Paint-Polyester, Yellow											
93-6	22.4	20.1	18.6	17.5	14.2	16.3	16.3	17.2	15.4	13.4	15.0
	23.9	23.0	21.9	20.0	15.3	18.2	18.4	18.3	17.6	17.1	17.0
93-7	19.0	19.2	17.5	15.7	13.3	14.9	15.4	15.2	13.8	13.1	13.8
	21.1	19.8	18.0	16.5	13.3	14.0	15.2	15.0	14.6	13.7	13.4
93-71	19.2	18.9	16.8	15.6	13.0	13.6	13.5	12.8	11.0	11.4	12.7
	22.4	20.2	20.1	17.9	13.0	17.3	17.9	17.6	13.1	16.7	16.0
93-72	25.9	26.8	23.6	23.5	16.7	23.2	19.4	21.4	15.2	14.5	11.2
	29.3	28.6	27.5	24.5	17.2	23.4	24.8	23.1	21.9	21.2	18.0
93-74	21.6	19.5	18.4	16.7	14.3	17.3	16.1	14.9	10.5	7.8	11.4
	22.5	22.3	20.4	19.3	13.9	18.5	16.9	20.7	11.8	13.1	13.4
94-25	31.3	31.9	28.7	25.7	19.9	27.7	24.4	25.7	23.8	22.5	22.5
	33.9	32.7	29.4	28.0	18.8	27.5	27.3	28.8	24.3	24.9	25.5

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Polyester, Yellow (cont.)											
94-34	20.3	19.0	16.1	13.0	12.6	10.7	12.8	11.7	8.5	10.4	9.4
	22.4	20.9	19.8	16.8	15.7	16.0	17.6	15.9	12.3	14.5	12.7
94-35	20.0	21.3	18.8	17.2	13.4	16.7	15.6	16.5	15.0	14.8	13.3
	21.6	21.6	18.9	17.7	13.8	15.8	15.5	15.6	15.7	15.7	14.4
94-36	36.1	35.3	31.3	24.6	21.1	25.7	20.6	28.3	20.0	21.0	21.2
	37.0	34.3	32.3	27.1	21.1	26.6	26.1	27.8	21.6	23.8	23.2
94-89	10.9	13.1	11.7	13.8	10.6	12.4	13.2	11.2	8.7	9.9	10.0
	17.4	17.9	13.2	12.2	8.8	10.6	10.1	6.9	9.7	9.7	7.6
94-90	12.6	10.2	12.7	8.0	8.2	11.6	11.0	11.7	7.1	8.9	8.0
	10.8	10.2	8.0	9.5	8.1	7.2	7.0	7.9	9.6	8.7	7.8
Paint-Multipolymer, White											
93-61	34.2	32.7	33.7	28.9	22.3	28.4	27.5	27.7	22.7	21.7	21.6
	32.0	31.2	26.2	25.9	17.9	23.4	23.5	23.2	24.5	21.2	21.0
Paint-Multipolymer, Yellow											
93-114	17.2	16.6	17.4	16.4	13.2	16.9	17.6	16.6	14.4	13.1	14.5
	16.7	14.3	13.7	12.7	11.0	14.8	15.4	13.6	15.0	15.0	14.8
Thermoplastic-Alkyd, White											
93-35	23.4	27.2	29.4	28.2	21.7	34.3	34.9	37.7	33.0	30.2	35.7
	33.7	34.4	36.2	31.9	23.2	34.9	36.8	36.7	36.4	34.7	37.4
93-41	45.8	54.8	44.3	34.5	28.3	45.3	44.1	46.2	41.7	36.9	39.3
	55.0	55.3	53.0	45.9	31.4	46.9	48.7	47.7	47.7	44.1	44.3
93-43	64.6	67.0	57.0	53.2	34.7	57.1	54.1	59.9	54.9	43.2	49.6
	64.7	62.5	61.5	57.1	36.9	59.8	59.6	59.0	58.7	54.7	54.6
93-47	60.6	60.6	56.1	41.6	32.2	49.1	52.1	53.6	51.5	44.5	49.0
	58.8	57.6	59.1	51.5	33.4	55.0	53.8	55.6	52.4	47.5	49.5
93-58	63.7	67.8	60.7	51.0	36.1	58.0	49.3	56.1	47.8	44.5	50.4
	59.6	64.8	60.5	56.6	36.8	55.2	56.6	54.3	55.7	46.4	52.3
93-69	36.9	46.1	53.8	49.3	34.9	52.5	49.3	55.7	46.8	43.1	46.1
	45.0	48.4	50.5	45.9	31.6	50.6	49.6	52.6	49.7	45.8	49.7

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, White (cont.)											
94-39	52.0	51.1	47.6	40.8	33.9	42.8	43.4	52.9	48.0	42.6	45.3
	50.2	47.5	43.3	35.8	31.5	40.2	40.3	43.8	46.2	41.7	42.4
94-45	54.2	55.6	54.2	45.8	41.7	55.0	53.1	58.3	53.2	47.0	51.6
	49.4	51.2	47.3	34.1	35.5	47.9	47.8	48.1	47.7	44.9	47.6
94-74	52.4	55.8	54.8	45.0	34.5	53.7	55.1	58.4	58.0	49.3	56.2
	52.7	55.3	53.6	48.0	34.0	52.8	52.3	53.7	51.1	47.8	49.6
94-102	48.0	52.2	53.8	46.6	41.2	48.7	54.3	60.4	61.8	52.4	58.5
	50.3	48.2	47.4	48.7	38.9	48.2	47.7	50.2	47.9	41.4	47.9
94-120	41.9	49.6	50.6	41.7	30.3	49.1	45.2	50.0	44.5	39.2	39.4
	45.1	45.3	49.9	43.2	29.5	45.5	44.3	45.3	45.5	42.4	44.8
Thermoplastic-Alkyd, Yellow											
93-36	35.7	46.2	41.2	33.8	26.7	39.6	46.6	44.7	38.8	36.9	43.6
	54.7	58.3	54.5	46.8	30.7	49.4	51.9	50.1	50.8	45.4	48.3
93-39	33.6	33.2	31.8	28.2	20.7	29.9	29.2	31.8	29.8	25.3	28.0
	31.6	32.3	31.9	30.9	20.9	31.2	31.2	31.9	32.0	29.1	30.7
93-40	32.1	32.2	30.5	26.9	23.0	28.1	27.2	29.3	27.9	24.7	26.6
	31.3	31.9	29.3	28.5	22.7	28.8	30.5	29.5	28.5	26.6	29.3
93-42	35.1	36.2	34.5	31.8	22.6	32.6	31.4	32.8	25.6	25.1	28.4
	34.3	34.2	33.7	30.5	21.1	31.0	31.2	30.6	31.3	29.1	29.9
93-46	36.8	39.8	34.7	31.3	22.4	32.2	32.6	37.0	31.7	27.9	30.3
	38.8	39.0	38.1	34.1	24.1	33.7	36.3	36.5	33.6	31.8	35.7
93-59	38.4	41.7	37.7	33.8	24.5	38.1	33.5	33.8	33.4	27.8	31.5
	37.6	38.4	37.2	36.0	24.6	35.8	36.9	34.6	34.3	33.4	33.4
93-68	26.1	28.5	31.5	28.2	23.0	33.0	34.2	34.9	32.4	28.2	31.3
	28.4	29.8	27.4	25.7	19.1	28.0	29.1	31.3	30.9	27.9	30.9
94-40	28.8	30.9	29.3	27.2	22.3	30.7	30.9	31.9	32.3	28.8	31.6
	29.9	28.6	28.4	24.9	19.9	28.4	29.7	30.0	30.4	28.8	29.9
94-42	31.6	33.6	32.2	28.8	22.4	30.6	31.8	34.3	33.1	29.2	32.2
	32.2	31.2	30.4	29.2	21.9	30.0	29.4	31.9	31.6	31.7	31.7

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, Yellow (cont.)											
94-46	32.6	33.8	34.6	29.5	25.8	32.8	35.1	36.1	33.7	30.8	33.1
	31.0	33.8	28.8	26.0	21.4	28.5	28.5	31.4	32.1	27.5	30.6
94-48	33.3	34.8	34.6	30.1	25.8	35.1	35.5	37.2	34.8	31.2	34.0
	30.7	33.2	29.0	25.6	23.2	31.0	29.9	32.7	33.6	30.6	33.7
94-51	45.2	45.3	42.6	37.4	25.2	39.2	39.4	42.0	37.3	33.3	36.3
	45.5	47.5	47.4	43.4	29.4	43.1	40.7	44.4	40.9	39.2	39.9
94-71	32.5	34.8	36.1	34.6	23.7	35.4	35.9	37.7	35.6	30.3	34.6
	31.3	34.4	36.4	34.4	23.7	35.1	36.0	36.9	34.3	33.6	35.4
94-75	33.4	34.5	36.1	33.5	25.1	36.9	37.5	40.7	39.5	33.4	36.6
	33.7	34.2	34.9	33.3	23.7	36.9	35.5	36.9	35.3	31.9	35.1
94-101	29.5	32.6	34.9	33.4	28.4	36.1	37.3	39.2	37.1	32.2	34.5
	31.2	32.7	34.0	35.5	25.0	33.1	36.0	35.1	33.5	35.4	34.4
94-103	30.4	31.3	30.9	28.6	26.0	30.2	29.6	30.7	31.5	25.3	28.9
	30.0	31.8	30.2	29.5	23.3	26.3	29.4	27.9	26.2	27.2	26.2
94-104	28.7	30.3	29.5	25.9	21.8	26.3	27.2	26.0	26.9	22.0	27.0
	30.3	27.2	24.9	25.6	18.9	24.1	24.9	23.0	24.8	22.8	20.9
94-105	29.9	30.8	32.0	28.5	25.6	31.4	32.2	36.3	34.2	29.5	32.7
	28.8	30.4	30.1	28.9	24.9	30.5	33.5	33.4	32.0	30.2	32.0
94-118	34.8	37.1	37.6	33.2	25.5	39.7	39.1	41.5	35.1	33.2	38.2
	35.3	37.2	37.7	33.4	24.2	38.3	39.0	40.5	39.7	38.2	39.0
94-119	31.0	29.2	34.0	28.3	22.7	38.3	34.8	36.6	31.6	28.7	32.0
	31.8	34.8	38.7	30.9	24.6	38.0	35.2	35.3	34.9	32.9	35.5
Thermoplastic-Hydrocarbon, White											
93-32	52.3	51.1	54.5	45.8	36.7	60.8	59.0	65.6	57.1	54.4	59.0
	55.1	54.8	54.1	45.8	32.7	51.0	51.9	52.2	50.8	48.3	51.1
93-44	62.8	62.0	59.7	49.1	36.9	53.4	53.4	57.7	54.5	51.1	55.7
	64.1	64.5	60.3	55.8	37.8	56.1	56.4	57.8	54.3	52.9	53.5
93-66	49.4	54.8	57.9	47.1	37.2	59.1	53.7	59.8	52.6	51.1	54.7
	48.9	49.4	52.8	48.0	31.7	48.7	51.5	53.0	54.1	47.9	52.7

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, White (cont.)											
94-37	53.8	52.0	52.7	48.5	37.4	53.8	44.9	53.3	50.5	48.9	50.3
	49.3	52.1	48.4	39.7	30.9	43.4	44.1	47.3	42.9	41.8	44.9
94-43	54.4	57.4	55.3	54.9	48.7	67.2	68.6	70.7	64.0	60.3	62.8
	50.1	50.9	46.0	34.8	35.5	42.2	46.3	44.3	47.7	44.8	45.3
94-72	64.6	67.8	58.6	48.8	37.5	61.6	57.7	59.4	57.1	50.9	50.7
	65.6	62.8	60.3	57.2	39.6	62.7	61.3	62.0	59.0	56.0	59.9
94-106	52.1	53.4	54.9	48.8	40.3	56.2	58.4	62.8	58.3	55.2	58.8
	49.9	51.8	48.1	46.1	35.3	43.2	42.5	46.7	45.5	42.0	42.3
94-121	52.2	55.1	54.0	48.0	34.6	51.9	48.6	47.4	43.2	42.1	46.2
	50.0	51.2	47.6	43.1	28.2	43.9	45.5	47.0	42.2	44.6	44.5
Thermoplastic-Hydrocarbon, Yellow											
93-28	33.7	32.2	34.6	30.7	24.4	38.4	34.7	38.1	33.9	32.2	35.4
	34.4	32.9	30.0	29.0	21.9	31.8	32.7	32.7	31.8	29.7	33.4
93-29	28.5	29.5	33.5	28.3	23.0	35.7	36.1	39.1	32.2	33.3	35.5
	36.2	36.3	35.1	31.2	21.6	32.1	32.3	34.2	32.9	29.5	31.8
93-33	35.0	38.0	39.1	29.2	27.3	40.7	39.8	43.1	38.2	34.2	37.4
	37.2	35.3	34.2	33.4	23.6	34.0	35.6	35.2	35.1	31.3	34.9
93-34	32.4	34.5	38.2	27.2	26.5	39.9	39.0	40.2	36.9	33.7	36.3
	34.4	33.8	32.6	30.2	22.3	33.3	34.8	33.9	35.7	32.0	33.5
93-45	39.3	37.1	38.6	35.5	24.2	37.4	31.6	38.1	36.1	34.3	36.3
	40.2	39.9	37.8	32.5	24.9	34.5	35.3	36.8	35.2	33.1	36.2
93-60	32.5	37.2	36.4	33.0	24.6	34.6	33.7	36.6	33.7	31.4	32.9
	33.6	34.6	34.0	25.3	23.8	31.8	32.6	33.8	33.5	30.6	33.1
93-67	29.4	33.3	33.8	28.0	23.8	34.1	30.1	34.6	31.3	31.2	32.3
	30.4	32.8	31.5	28.2	19.5	28.7	31.2	30.5	30.5	27.3	29.9
94-38	34.8	34.5	32.2	28.7	22.5	33.4	34.5	36.7	32.0	34.9	38.4
	34.1	32.2	31.2	27.3	21.2	27.9	28.8	28.2	28.0	26.9	26.2
94-41	31.4	32.6	36.7	34.3	25.9	37.7	35.1	37.4	32.6	31.5	34.7
	32.6	32.0	30.0	28.4	21.7	31.7	32.3	33.4	33.2	31.1	32.8

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, Yellow (cont.)											
94-44	35.1	35.2	36.4	36.9	34.3	44.5	43.0	45.5	43.2	39.3	42.3
	32.9	35.8	31.4	30.7	24.5	31.6	32.0	30.8	36.6	30.9	30.8
94-47	34.6	36.9	37.3	37.7	33.2	45.1	46.5	48.0	45.3	43.0	41.8
	31.8	33.8	34.6	24.4	24.6	28.4	30.1	28.8	32.5	29.4	32.1
94-49	44.8	45.3	45.0	41.6	28.5	42.4	40.7	42.4	40.9	36.6	40.1
	47.7	46.3	45.8	43.0	29.2	42.3	41.7	41.8	41.8	39.1	40.9
94-73	30.8	35.4	37.6	35.2	25.3	37.6	34.2	39.0	37.1	33.4	35.3
	30.5	30.9	28.1	29.1	21.7	31.5	33.3	34.3	35.4	33.3	34.3
94-116	32.4	34.7	36.9	29.4	25.1	37.5	37.0	38.7	33.3	33.3	35.3
	29.2	32.1	31.3	29.5	20.7	34.0	33.3	32.6	33.1	28.1	32.3
94-117	36.7	37.5	37.1	33.6	24.8	35.9	35.5	38.7	30.7	33.6	38.2
	37.9	36.1	33.5	32.7	22.4	31.3	32.3	32.2	30.4	28.0	28.2
Thermoplastic-Preformed, White											
93-37	61.2	62.9	53.4	46.9	31.8	48.7	37.2	43.8	38.9	36.0	39.8
	60.4	58.2	57.5	50.4	32.9	48.4	49.9	48.3	47.3	42.4	44.2
93-38	67.2	68.4	60.0	53.4	35.3	54.4	47.6	52.4	46.3	42.8	45.5
	69.5	68.9	66.9	60.0	40.4	60.2	60.7	61.9	58.1	55.1	55.1
93-54	56.6	58.6	54.2	45.5	32.0	47.6	47.9	52.1	43.3	41.8	46.4
	52.8	51.6	48.3	44.5	29.1	41.5	44.9	43.3	42.9	42.5	43.8
93-55	54.0	55.9	54.2	46.9	34.1	51.2	49.2	54.5	48.2	46.4	48.4
	54.2	52.7	51.7	45.3	31.4	44.4	46.7	48.2	47.9	44.4	50.6
94-77	56.2	56.4	53.5	49.2	33.2	46.6	45.9	48.1	41.9	42.4	45.8
	53.5	51.1	50.1	47.2	30.7	44.5	44.2	45.2	42.6	42.4	42.2
94-78	60.6	60.2	54.3	47.2	32.2	47.9	48.3	49.3	36.6	40.3	43.3
	60.6	59.1	55.9	52.1	36.2	49.4	51.0	49.6	49.1	45.8	47.8
Thermoplastic-Preformed, Yellow											
93-30	32.2	34.5	31.5	27.4	20.5	26.8	25.7	26.0	24.4	21.7	24.8
	33.8	33.5	31.4	29.9	21.4	27.6	28.5	29.2	27.5	25.6	27.3

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Preformed, Yellow (cont.)											
93-31	36.1	34.8	34.6	31.2	21.7	32.5	24.2	33.1	30.1	30.5	33.0
	39.5	39.1	36.7	32.9	22.1	31.5	31.4	31.8	30.8	28.2	28.2
94-76	38.1	38.4	38.3	34.8	25.4	36.2	36.0	39.3	33.7	32.0	35.5
	35.1	36.7	33.5	29.1	21.0	30.0	32.1	29.1	31.6	29.4	30.2
Permanent Tape, White											
93-23	33.5	***	***	***	***	***	***	***	***	***	***
	43.1	***	***	***	***	***	***	***	***	***	***
93-25	79.7	***	***	***	***	***	***	***	***	***	***
	75.6	***	***	***	***	***	***	***	***	***	***
93-26	78.0	***	***	***	***	***	***	***	***	***	***
	76.9	***	***	***	***	***	***	***	***	***	***
93-49	37.1	38.0	35.9	30.7	25.8	35.2	30.5	34.3	31.7	32.1	33.4
	35.7	37.8	37.6	34.2	25.3	38.3	37.2	36.9	36.2	36.6	36.6
93-106	55.6	55.9	51.2	44.8	34.2	47.7	46.9	48.5	41.8	41.1	43.4
	56.2	52.4	48.4	46.7	33.2	46.6	45.0	47.1	43.5	43.3	43.3
93-108	80.5	86.5	76.0	71.4	54.9	78.1	75.6	77.1	69.1	67.9	70.0
	74.3	82.3	78.4	72.3	51.3	76.7	75.6	78.4	76.8	72.7	74.1
94-56	65.3	71.1	61.5	58.1	50.8	58.8	55.0	59.0	50.6	52.9	48.1
	59.4	58.8	54.8	52.8	42.4	54.0	51.4	51.2	51.6	50.4	53.6
94-57	69.2	73.5	60.2	63.3	56.3	71.8	64.8	67.7	54.0	60.1	62.2
	66.3	69.7	64.6	66.2	53.6	69.6	67.5	70.6	68.5	65.8	64.9
94-68	61.4	70.4	62.3	47.3	41.4	58.2	55.7	60.9	48.7	45.6	50.8
	63.1	62.4	60.3	50.8	38.5	63.1	59.4	64.2	57.4	59.7	55.8
94-70	51.2	49.1	53.6	43.8	35.4	50.8	44.0	52.4	44.0	45.5	45.9
	53.6	54.5	49.2	45.6	32.9	47.8	43.6	54.7	55.5	52.2	50.4

TABLE 20. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUNE 1994	JULY 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Permanent Tape, Yellow											
93-17	37.0	***	***	***	***	***	***	***	***	***	***
	37.2	***	***	***	***	***	***	***	***	***	***
93-24	43.5	***	***	***	***	***	***	***	***	***	***
	44.2	***	***	***	***	***	***	***	***	***	***
93-27	35.6	***	***	***	***	***	***	***	***	***	***
	37.7	***	***	***	***	***	***	***	***	***	***
93-48	68.8	78.8	68.1	47.5	42.7	68.1	63.7	63.1	61.9	59.4	64.1
	71.8	72.2	71.3	62.1	48.7	71.7	72.8	74.4	68.4	64.7	69.7
93-107	32.6	34.6	29.6	27.4	20.7	30.0	30.2	31.4	27.8	27.0	28.4
	31.1	32.3	27.8	26.7	20.3	27.4	27.2	26.7	25.7	26.3	27.3
93-109	45.3	52.7	43.7	40.7	32.6	46.9	42.7	41.7	38.2	40.1	41.5
	44.7	45.5	43.8	43.0	31.2	44.9	45.1	44.0	43.3	42.2	43.2
94-67	31.9	32.7	30.1	24.6	21.9	31.2	26.2	28.7	27.8	24.2	28.5
	34.9	37.9	35.0	31.1	22.3	31.1	34.2	33.6	31.7	30.0	31.2
94-69	32.9	36.1	33.7	27.6	23.5	31.3	25.3	30.7	27.2	23.4	27.1
	34.7	39.0	34.0	33.7	22.7	37.0	36.9	36.3	33.5	32.0	32.7
Temporary Tape, White											
93-56	41.0	49.4	41.0	31.2	31.2	42.8	40.0	45.5	43.8	41.7	47.3
	38.6	40.0	41.1	38.2	30.0	42.9	48.1	48.2	42.3	46.9	46.8
Temporary Tape, Yellow											
93-57	31.0	32.9	27.6	21.6	22.1	29.5	27.4	32.5	34.6	31.2	31.1
	26.5	27.2	26.8	26.1	18.9	30.6	29.9	31.4	31.3	30.3	31.6
93-64	29.7	29.3	28.1	25.6	22.8	29.6	30.8	30.6	22.1	25.5	28.5
	27.6	27.4	26.0	26.8	19.1	29.2	28.5	30.3	28.9	28.5	28.9

* Millicandelas per square foot per footcandle.

** Top number is wheel track measurement and bottom number is centerline measurement.

*** Material gone.

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec)											
93-3**	46.5	37.7	35.3	26.7	34.3	31.6	32.2	30.3	30.5	27.7	25.2
	45.5	37.7	34.6	27.5	34.5	31.6	30.3	30.3	29.5	28.4	26.3
93-12	49.6	42.9	40.0	26.7	36.2	34.8	38.9	35.4	33.4	32.3	28.7
	54.2	45.3	44.8	30.0	39.1	42.8	41.6	39.7	39.6	39.9	35.3
93-75	53.4	43.3	43.7	23.9	42.2	38.8	36.1	36.6	34.9	36.6	33.6
	53.8	46.3	43.9	31.6	44.1	39.9	36.9	38.4	36.3	39.0	34.1
93-77	46.8	42.7	46.9	28.0	42.3	38.3	39.1	38.7	38.6	35.6	32.7
	51.9	44.9	39.4	31.9	44.5	39.8	38.3	36.5	35.1	38.8	36.2
93-79	51.2	33.0	33.2	23.9	32.2	29.5	30.6	30.4	28.3	31.8	27.6
	48.5	40.4	38.3	29.2	37.9	35.5	32.9	33.0	27.4	32.6	30.7
93-95	51.3	44.6	37.7	28.3	42.2	42.6	41.8	41.4	43.3	44.1	41.5
	55.9	44.4	43.0	28.4	40.5	37.4	34.8	33.8	37.0	35.9	33.1
93-99	41.8	33.7	30.7	23.9	31.7	24.9	27.5	29.1	24.1	23.9	20.9
	46.1	36.9	36.2	25.3	36.4	33.6	31.6	31.5	31.3	30.9	27.8
93-101	41.0	30.3	29.9	20.9	30.0	25.4	24.9	23.8	24.3	24.6	20.3
	50.1	37.7	35.0	22.8	33.7	28.6	26.0	27.2	27.3	24.6	25.5
93-113	28.3	26.9	26.6	18.2	27.8	25.3	25.0	24.6	22.8	24.7	22.0
	31.0	26.0	24.3	19.7	27.5	25.5	22.9	23.3	24.5	24.0	22.3
94-1	48.5	46.4	45.8	31.0	46.2	41.0	42.9	42.0	41.0	42.0	37.0
	55.7	48.8	44.6	31.8	48.4	42.4	41.1	39.4	39.5	39.9	38.5
94-3	52.7	41.7	43.2	29.3	41.9	38.2	39.8	39.4	37.4	36.9	34.3
	44.2	44.7	42.4	30.8	43.8	41.5	38.0	36.4	36.0	37.8	34.2
94-33	41.9	39.8	34.2	26.0	32.8	30.7	32.0	29.6	27.9	28.5	25.0
	45.0	35.5	34.9	27.1	35.1	30.8	29.6	27.1	27.4	27.4	25.4
94-87	40.7	30.7	29.8	21.3	31.3	25.1	26.4	28.2	25.4	26.1	21.2
	49.1	38.4	35.6	25.3	35.6	28.9	27.8	28.0	28.1	26.7	26.7
94-93	42.6	35.6	30.5	22.8	32.7	27.3	26.3	29.3	26.6	26.3	23.7
	50.1	39.5	37.1	26.6	36.1	31.3	31.3	31.8	32.9	30.4	28.6
94-99	40.4	34.7	32.7	22.6	30.0	25.1	26.9	26.6	29.8	26.6	24.9
	45.5	35.4	31.7	24.1	31.6	28.9	28.0	28.9	28.7	25.8	27.2

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, White (60 sec) (cont.)											
94-113	43.9	44.5	39.3	29.8	38.0	36.7	38.5	42.9	51.5	39.0	38.3
	39.9	33.8	31.6	23.0	33.8	28.7	30.2	32.8	36.6	29.7	31.2
Paint-Solvent, Yellow (60 sec)											
93-4	26.2	23.4	23.0	17.9	23.7	20.2	22.0	20.6	20.8	19.0	18.6
	29.9	26.1	23.7	19.7	26.1	22.4	22.0	20.5	21.9	21.0	18.3
93-10	29.3	25.6	24.5	17.7	26.4	21.7	23.8	24.2	22.0	21.5	19.2
	31.5	28.8	27.7	18.8	30.8	26.6	25.1	24.2	24.0	24.1	22.1
93-13	28.4	25.1	24.5	17.8	25.5	23.5	24.6	24.1	26.5	23.2	19.7
	31.4	28.5	26.5	19.2	29.6	25.9	26.1	25.1	23.5	24.4	22.3
93-76	29.3	25.9	26.7	19.0	27.1	24.3	25.9	24.9	29.1	25.8	22.6
	32.0	27.7	25.0	19.7	28.4	25.1	23.9	22.5	27.4	22.3	21.4
93-78	29.9	27.8	26.0	20.6	27.6	26.2	26.8	26.4	26.8	28.1	24.3
	32.3	26.9	26.8	20.3	29.9	26.2	24.5	24.3	26.3	24.0	22.9
93-80	29.3	28.1	25.4	19.2	25.5	22.3	24.4	24.5	25.9	25.3	22.2
	32.1	26.4	25.8	19.5	28.0	25.1	23.9	22.1	22.2	23.1	21.4
93-93	30.0	24.8	25.0	17.2	27.9	22.7	25.1	25.0	27.2	25.2	25.0
	36.1	28.7	26.3	18.7	28.2	25.3	25.9	24.5	24.6	23.3	22.5
93-94	27.7	26.8	23.7	17.4	27.0	23.8	25.7	24.0	31.8	26.8	23.0
	29.7	25.7	23.7	17.4	24.9	23.5	22.5	22.6	22.9	22.2	20.9
93-98	27.3	21.7	19.5	15.7	21.9	18.5	20.0	19.8	18.2	18.4	16.2
	31.3	26.1	23.4	18.1	25.4	22.4	21.4	20.5	21.2	20.0	18.9
93-100	23.1	19.2	17.9	14.2	19.7	16.8	17.0	18.3	17.8	17.2	15.2
	27.5	22.9	20.4	15.4	23.1	19.2	18.3	17.1	19.6	17.5	16.3
93-112	38.8	47.5	41.7	31.8	47.4	37.6	39.7	39.5	37.2	36.7	38.8
	48.0	41.0	38.3	30.1	43.5	37.8	37.9	34.6	31.6	34.3	35.0
94-2	31.6	31.1	31.5	22.0	31.7	29.2	28.5	28.4	30.9	31.0	28.0
	33.8	28.7	27.4	21.3	31.7	29.0	25.9	25.6	27.2	25.1	25.6
94-4	29.3	27.9	28.2	19.8	28.4	26.1	24.9	25.4	29.4	26.2	23.9
	32.3	26.1	26.6	20.0	28.9	26.0	24.7	23.8	23.8	23.3	22.6

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Solvent, Yellow (60 sec) (cont.)											
94-30	25.6	23.4	22.4	17.2	22.3	21.0	20.7	20.5	20.4	19.5	18.0
	27.9	24.4	23.4	17.9	24.4	21.7	20.6	20.9	20.0	20.3	17.9
94-83	29.8	25.3	24.9	17.3	24.9	22.0	22.5	21.9	19.0	19.5	17.8
	32.2	27.8	27.0	19.2	27.3	23.3	23.6	23.1	23.5	23.2	21.3
94-85	26.4	23.7	21.6	16.2	23.0	19.7	20.5	20.4	20.7	19.4	17.1
	31.6	26.5	24.6	18.8	25.5	22.9	22.5	21.6	21.0	21.6	20.0
94-96	23.8	21.1	20.2	15.3	20.5	18.3	18.3	20.5	21.4	20.0	19.4
	26.9	22.9	22.0	18.4	23.0	21.6	20.1	20.4	21.8	20.6	19.8
94-100	20.3	16.3	15.6	13.3	18.2	16.0	16.3	15.9	18.0	15.7	15.5
	22.1	18.4	18.6	14.6	20.8	17.2	17.0	17.1	17.8	17.6	16.9
94-112	28.1	29.0	27.9	22.3	30.4	25.5	26.8	30.9	31.0	26.1	24.5
	37.1	29.6	27.9	22.6	30.3	27.9	24.8	24.7	27.0	25.2	24.8
Paint-Solvent, White (90 sec)											
94-95	50.8	41.6	38.1	27.8	37.7	33.5	33.8	34.3	42.3	34.0	33.9
	47.6	36.5	35.8	26.6	34.1	32.9	29.2	30.3	33.4	29.2	28.4
Paint-Water, White (60 sec)											
93-1	44.1	37.9	36.3	27.4	38.8	34.1	34.7	36.0	40.0	37.2	36.4
	44.8	36.2	36.7	24.8	35.0	31.8	34.0	33.5	34.1	32.4	29.1
93-14	44.9	41.0	37.8	25.2	40.1	36.2	33.6	37.0	31.6	35.2	33.9
	43.7	33.9	34.0	21.2	34.6	31.0	28.0	28.9	31.2	26.9	26.9
93-81	46.3	41.2	36.5	30.5	40.3	37.6	33.8	35.7	42.3	37.3	37.8
	48.2	39.9	38.1	28.8	38.8	36.4	35.1	36.4	37.2	34.5	30.6
93-84	44.0	37.9	35.7	27.8	39.1	35.1	36.8	36.8	41.6	34.5	32.3
	49.5	36.6	37.1	28.1	38.2	35.3	33.9	33.9	37.4	37.2	31.0
93-87	39.5	32.1	32.6	24.6	32.8	28.1	27.1	28.4	31.5	27.8	28.0
	44.1	34.3	32.4	24.7	30.7	29.6	29.7	30.1	28.8	26.4	26.9
93-92	44.6	33.8	37.0	24.9	39.2	28.6	38.3	35.4	37.8	30.1	32.4
	43.5	35.1	31.4	21.2	34.2	34.0	30.6	33.7	34.4	31.0	30.6

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)											
93-97	32.8	26.6	28.5	20.8	32.3	27.7	23.5	27.4	30.5	24.5	22.9
	44.8	36.3	35.1	20.4	34.2	31.4	28.1	28.0	27.7	28.3	25.8
93-103	38.1	27.5	31.4	21.8	33.4	32.3	31.5	31.3	33.7	29.0	26.6
	47.1	33.1	31.6	21.8	33.6	30.4	29.7	28.3	29.0	28.6	23.8
94-5	45.1	39.1	40.3	28.9	40.7	35.6	35.0	36.7	40.2	35.6	36.2
	47.7	35.4	37.6	28.1	37.1	35.9	36.3	34.9	37.7	34.0	33.1
94-8	43.6	40.8	36.5	27.1	39.2	36.7	30.3	34.8	38.6	38.8	36.3
	48.4	40.7	38.4	27.8	40.1	37.8	37.3	35.2	38.4	33.7	33.1
94-12	46.6	40.7	39.1	28.8	40.0	37.3	34.8	35.1	39.8	37.8	37.3
	48.2	39.5	38.2	28.4	37.3	35.4	35.4	38.1	38.4	36.0	33.4
94-15	45.3	42.8	38.4	29.6	41.8	36.1	30.9	36.2	44.5	37.5	35.5
	43.5	34.4	34.5	25.4	34.8	34.5	40.8	41.0	34.8	40.3	37.3
94-21	44.5	41.5	38.7	30.0	42.4	35.1	29.2	34.4	37.0	36.6	36.0
	44.8	35.7	34.4	26.2	36.1	33.5	34.8	37.7	40.0	39.1	35.4
94-26	42.7	32.6	32.1	22.1	35.1	33.2	30.8	32.2	35.0	33.3	31.4
	45.9	35.2	33.2	21.4	33.3	28.9	28.8	28.6	29.8	29.3	27.1
94-28	38.7	28.5	31.1	19.4	34.4	27.1	31.8	30.2	34.7	31.4	32.9
	44.8	33.7	31.4	21.0	31.9	28.3	28.4	28.0	30.3	29.2	27.8
94-31	43.5	32.6	32.8	23.8	33.2	29.1	30.0	30.6	32.5	28.9	29.5
	39.7	32.8	32.4	22.9	30.5	29.8	28.1	28.8	31.2	28.8	25.8
94-88	40.4	34.3	32.0	21.4	34.2	29.4	28.4	29.0	33.1	30.4	36.9
	45.0	33.7	33.4	22.9	32.1	31.0	27.7	28.4	26.8	27.9	25.2
94-92	39.4	33.2	34.0	22.8	32.7	29.4	29.4	30.4	31.9	28.1	25.3
	49.9	39.8	37.2	25.1	37.3	34.8	31.4	31.5	30.2	30.5	29.1
94-94	40.8	37.5	34.8	26.1	38.4	34.6	30.5	32.2	32.3	28.6	30.2
	42.7	35.8	30.9	22.3	32.4	28.7	27.9	30.0	30.1	29.1	26.7
94-107	42.0	37.6	37.7	24.5	38.2	37.0	38.2	35.5	36.0	36.9	33.4
	45.0	34.8	32.9	20.7	34.1	21.9	31.6	31.8	34.1	33.8	30.1
94-114	52.7	46.6	46.3	31.0	49.3	44.9	37.2	41.1	55.1	48.2	46.2
	45.9	38.8	37.5	27.6	41.7	37.6	38.8	38.3	43.1	42.2	38.7

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, White (60 sec) (cont.)											
94-123	50.9	46.6	42.5	31.5	44.9	40.4	43.6	43.5	47.8	43.4	43.4
	53.0	42.8	41.5	28.8	40.9	40.2	39.7	37.1	36.3	36.2	36.7
94-124	37.5	28.9	27.7	20.9	28.0	27.1	31.7	28.0	29.4	27.5	25.1
	39.5	29.0	26.8	20.7	27.7	24.8	25.9	25.7	26.3	24.9	22.4
Paint-Water, Yellow (60 sec)											
93-2	24.6	21.8	20.6	16.0	21.5	19.1	20.0	19.9	21.1	20.1	19.4
	25.4	19.9	19.7	15.4	20.1	18.1	18.6	18.4	19.7	17.6	16.9
93-8	24.0	21.2	19.8	16.1	21.1	20.6	20.1	20.7	22.7	19.5	19.8
	25.4	20.8	19.6	15.0	18.6	18.2	18.8	18.1	19.7	18.6	17.4
93-15	29.4	26.1	25.9	18.3	28.8	25.1	26.6	25.7	28.0	26.3	24.7
	28.5	23.6	24.0	16.2	24.1	20.3	22.8	20.1	21.8	21.3	20.5
93-82	27.1	25.0	22.4	17.8	25.4	23.8	23.4	23.9	24.9	22.9	22.5
	29.8	25.6	23.9	17.4	25.2	23.4	23.5	23.2	22.4	23.0	21.7
93-83	26.2	22.9	21.7	16.6	25.6	22.1	18.1	19.0	25.0	21.5	20.3
	28.1	22.0	20.2	14.5	21.0	19.0	18.0	19.6	20.9	18.7	18.2
93-85	25.5	19.6	18.4	15.4	21.2	16.6	20.0	17.0	22.9	20.4	19.8
	27.1	22.1	21.1	15.7	22.6	21.0	21.3	20.2	21.0	21.0	19.0
93-86	24.7	21.6	21.9	15.8	23.4	19.0	19.2	20.2	23.0	20.9	17.5
	27.4	20.3	20.2	15.4	21.4	19.2	20.2	20.3	21.0	19.3	20.1
93-88	25.1	23.4	21.2	15.7	23.4	17.2	19.2	19.9	22.9	21.1	20.1
	28.8	22.2	20.0	14.5	21.3	19.2	19.4	20.0	18.6	18.2	18.1
93-89	26.3	19.0	16.9	13.2	20.6	18.0	15.6	20.2	17.5	16.6	18.9
	29.0	22.0	20.1	15.0	20.4	18.5	18.1	19.6	20.1	17.8	17.4
93-90	26.0	17.3	18.9	14.7	21.2	20.0	20.3	21.4	24.6	22.8	21.7
	28.4	22.5	20.8	14.7	22.4	19.9	19.2	20.7	20.4	20.2	19.0
93-91	22.9	17.1	18.6	12.1	19.4	17.7	17.9	17.7	19.7	19.6	18.2
	25.8	20.6	18.0	13.2	18.8	18.1	17.4	17.9	17.8	18.1	17.3
93-96	27.9	25.6	24.6	17.7	28.9	23.3	23.2	24.5	21.9	22.5	21.3
	35.2	28.9	28.7	20.9	30.0	28.7	26.7	26.7	26.1	25.8	24.3

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)											
93-102	28.1	21.0	22.9	16.2	23.4	22.0	20.9	19.1	21.0	21.3	19.3
	32.2	25.3	24.5	17.2	23.7	22.2	21.4	21.7	20.5	20.7	20.4
93-104	31.3	21.7	20.0	15.6	24.2	23.4	18.6	19.2	23.5	22.1	21.1
	32.0	24.2	22.5	16.1	23.6	21.0	21.2	20.6	19.9	20.1	20.3
93-105	29.4	23.2	21.6	14.0	25.9	21.8	17.4	21.8	22.1	19.1	18.5
	31.2	26.5	25.6	16.9	26.0	23.5	23.4	23.8	23.6	22.2	21.8
94-6	23.5	20.4	19.4	14.9	22.9	16.8	15.7	18.8	23.3	21.1	18.1
	27.6	21.3	19.2	15.3	20.5	18.9	18.1	18.7	20.5	18.5	18.0
94-7	24.9	22.3	19.0	17.2	23.4	17.9	21.7	20.5	23.8	17.6	18.0
	27.6	19.7	20.8	15.2	19.9	19.1	19.3	20.4	20.6	19.4	18.8
94-9	28.1	24.1	24.5	17.8	27.3	23.8	25.0	24.1	26.5	25.7	23.3
	30.4	26.1	25.7	18.3	27.4	23.8	25.6	23.6	22.9	23.7	22.8
94-10	24.6	21.1	21.6	15.3	21.8	20.6	20.1	19.5	20.6	21.1	18.6
	26.8	21.9	19.1	14.0	20.5	18.8	20.1	18.2	19.3	18.1	17.0
94-11	30.0	22.9	25.1	17.5	26.2	23.8	24.7	24.4	24.6	24.2	23.9
	30.4	25.4	23.8	16.4	23.5	21.6	22.6	22.6	22.4	21.8	20.2
94-13	11.8	19.4	18.0	11.4	19.5	18.1	13.6	13.4	18.7	18.1	17.1
	28.0	21.7	18.8	14.7	19.8	19.1	18.6	18.9	19.4	18.0	17.0
94-14	20.4	17.6	16.7	15.3	19.3	15.1	15.4	15.2	18.8	16.9	15.4
	24.0	19.7	18.1	14.0	19.2	18.0	17.0	16.7	18.9	16.7	16.1
94-16	22.4	21.4	21.1	13.4	23.5	21.1	21.7	21.8	23.6	21.5	20.5
	24.9	20.9	20.6	13.3	21.2	18.4	19.4	19.3	19.2	19.2	18.2
94-17	20.7	22.7	22.2	15.8	24.5	22.0	21.1	22.1	28.4	20.5	18.6
	24.9	20.8	20.5	14.3	20.5	19.7	19.1	19.1	19.8	19.2	18.8
94-22	24.9	18.6	17.0	12.9	20.6	14.7	16.9	18.4	21.7	19.3	17.8
	25.6	20.5	20.0	14.8	20.4	18.7	18.0	19.3	20.1	20.3	18.8
94-23	25.5	23.7	24.0	16.4	25.4	24.2	23.3	22.9	25.2	20.5	20.1
	26.1	22.9	21.3	15.0	22.9	20.9	20.4	20.5	22.4	19.5	19.3
94-27	27.8	18.9	17.7	13.2	20.8	19.3	17.4	20.2	21.9	21.0	19.7
	27.0	20.7	20.0	14.5	20.7	19.3	18.6	18.8	20.4	19.4	18.5

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (60 sec) (cont.)											
94-29	16.9	19.4	17.5	12.4	23.3	20.8	17.7	20.3	23.9	18.7	21.2
	28.2	22.4	20.5	15.0	21.8	20.4	20.9	20.4	25.9	19.3	19.5
94-32	23.4	20.8	19.4	16.1	20.9	19.7	19.3	19.8	21.4	19.5	18.1
	25.0	19.8	18.7	15.0	19.1	18.0	17.8	17.7	19.4	17.2	16.6
94-82	29.4	24.1	19.1	14.8	24.3	22.9	18.4	18.4	18.3	19.3	18.3
	33.9	26.5	25.1	17.0	26.9	24.3	24.8	23.2	22.4	22.4	21.6
94-84	31.2	23.1	24.7	18.3	27.3	24.1	21.4	22.8	29.6	24.4	23.6
	33.6	27.5	26.3	18.2	27.6	25.7	23.7	24.0	23.3	23.2	21.4
94-86	17.7	21.9	19.0	14.0	21.9	19.3	18.3	17.0	22.2	17.4	16.9
	32.1	26.0	24.5	18.2	26.7	24.1	21.9	23.3	21.4	23.4	20.7
94-91	25.9	24.4	18.7	11.9	23.3	20.9	19.8	19.9	23.4	20.5	20.3
	28.2	25.2	23.3	16.7	23.1	21.1	21.1	21.3	21.8	20.0	19.5
94-97	24.0	22.6	21.3	17.3	22.4	21.3	22.2	21.2	23.5	24.3	21.1
	27.3	20.8	21.7	16.3	21.1	18.5	19.3	20.5	19.9	17.8	16.7
94-98	23.0	21.2	19.8	15.7	21.4	19.8	18.2	19.3	17.8	18.5	18.9
	22.7	20.4	20.2	14.7	19.4	17.0	19.4	18.2	17.6	17.2	16.7
94-108	35.7	30.0	29.8	24.1	32.1	31.5	31.9	30.6	33.3	30.4	28.1
	33.8	30.0	31.5	25.0	31.9	29.4	29.5	28.7	28.7	29.4	26.7
94-109	31.9	27.2	26.2	21.2	28.7	25.6	26.0	26.2	28.1	26.5	25.5
	31.5	26.4	26.2	20.2	26.6	25.2	24.4	24.4	24.6	24.9	23.1
94-110	30.1	25.4	24.0	19.5	26.7	24.0	25.4	25.2	26.2	23.1	23.7
	30.3	26.2	24.8	19.7	25.8	22.4	24.4	24.0	22.2	24.4	21.0
94-111	27.5	24.3	23.2	18.7	25.0	23.7	23.4	23.4	25.4	23.8	21.7
	26.5	19.2	20.4	14.6	19.1	17.3	18.6	18.9	17.5	16.2	16.5
94-115	27.6	25.8	25.2	20.5	26.6	23.1	26.3	22.7	28.0	25.4	23.3
	29.3	22.5	20.6	15.2	23.9	23.9	23.9	21.6	25.4	22.8	20.2
94-122	25.2	22.6	21.7	16.2	22.0	19.7	20.8	21.8	22.0	20.4	19.5
	24.5	20.7	19.2	14.3	19.0	17.6	17.8	17.2	20.2	18.3	17.3
94-125	26.2	25.7	22.7	17.4	25.3	23.4	23.1	22.8	27.5	23.1	20.7
	26.5	23.9	22.6	16.6	23.9	19.4	18.3	21.7	22.4	20.8	20.8

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Water, Yellow (90 sec)											
94-19	22.6	22.6	19.7	16.6	22.2	20.5	19.7	21.0	22.1	19.0	18.2
	23.8	19.7	20.2	16.4	21.2	19.4	19.7	19.3	21.2	19.4	18.9
Paint-Water, Yellow (180 sec)											
94-20	25.9	24.9	24.0	18.8	26.9	23.5	24.7	24.7	30.6	23.5	21.9
	24.1	22.0	22.4	16.8	22.9	22.5	22.9	22.5	23.9	21.2	20.0
Paint-Polyester, White											
93-5	34.3	30.1	29.3	22.6	27.9	23.6	23.7	25.3	25.0	24.1	21.8
	37.8	32.1	29.5	23.2	29.2	25.8	25.5	25.3	24.5	24.4	23.0
93-70	48.6	46.6	44.9	32.2	46.4	41.3	41.7	37.6	42.8	40.4	35.9
	44.4	40.8	42.4	31.0	39.9	33.9	36.1	36.8	36.1	37.7	37.6
93-73	46.2	38.1	35.2	22.8	35.0	35.0	35.0	34.8	35.3	31.5	31.8
	46.9	39.9	37.1	25.8	40.5	34.5	35.0	36.4	35.5	32.9	33.9
94-24	44.0	39.3	37.9	24.8	41.1	32.4	34.3	34.8	33.6	33.3	32.0
	42.9	37.9	36.5	24.5	37.0	33.9	33.4	32.5	34.8	29.9	31.1
94-81	41.3	34.9	30.1	21.5	28.4	24.5	21.3	19.5	23.8	20.5	15.7
	46.8	40.1	37.4	28.3	37.2	25.8	22.8	18.5	17.8	17.7	15.0
Paint-Polyester, Yellow											
93-6	23.3	20.8	19.2	15.4	18.3	15.7	16.5	16.5	16.4	16.1	14.4
	23.9	21.2	19.8	15.9	19.9	17.3	16.9	16.5	15.2	17.1	15.5
93-7	19.9	17.3	17.7	14.2	17.0	14.9	17.1	16.3	17.1	16.5	15.7
	22.9	18.9	17.7	14.7	16.9	15.2	15.2	15.4	15.1	15.4	14.3
93-71	23.1	19.7	21.5	14.6	22.0	20.0	21.2	20.4	22.2	21.0	19.5
	24.0	22.1	19.8	13.8	18.6	17.4	18.0	16.2	18.0	17.0	16.7
93-72	29.3	23.8	24.5	15.1	23.3	20.9	22.5	22.1	19.9	22.0	17.8
	31.7	27.0	27.4	18.0	27.0	24.6	21.9	21.7	21.8	21.5	19.3
93-74	30.3	28.8	25.6	16.8	26.9	24.1	23.1	21.3	22.2	23.3	22.9
	31.4	26.2	26.2	17.5	27.3	23.7	24.1	25.9	23.3	24.3	23.7
94-25	26.7	25.1	24.9	15.7	24.2	21.1	21.2	20.6	20.0	19.9	18.3
	29.6	27.2	26.6	16.8	24.4	22.9	21.4	21.7	21.6	20.3	19.7

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Paint-Polyester, Yellow (cont.)											
94-34	21.2	18.1	17.6	15.0	18.2	15.2	16.3	15.7	16.1	15.7	13.9
	24.7	20.5	19.6	15.5	19.2	16.1	16.2	16.4	16.5	14.8	14.0
94-35	20.6	16.5	17.2	16.2	16.5	13.8	16.0	15.4	15.3	15.4	14.4
	20.4	19.7	17.3	13.9	16.6	15.4	15.6	14.6	14.5	14.3	13.5
94-36	35.3	31.3	29.7	22.6	29.9	24.3	25.4	25.7	27.6	24.7	22.4
	38.5	34.6	31.4	23.9	31.2	26.5	26.6	25.9	27.0	25.7	24.0
94-89	19.3	16.0	17.1	12.4	17.3	14.5	14.8	15.0	15.3	14.9	12.5
	21.9	18.4	16.7	13.3	16.6	13.6	14.2	13.2	13.0	13.0	11.9
94-90	21.0	19.1	23.2	16.3	21.5	18.5	19.6	17.9	19.4	19.2	16.0
	24.0	21.8	18.8	16.4	21.8	17.4	18.0	18.4	17.1	17.6	15.9
Paint-Multipolymer, White											
93-61	29.4	26.8	31.1	23.5	30.4	23.7	24.0	27.8	25.0	27.1	22.4
	24.3	24.8	16.8	13.7	24.9	22.1	22.2	20.5	21.1	20.0	20.9
Paint-Multipolymer, Yellow											
93-114	15.5	14.9	14.6	12.8	16.2	14.5	15.6	15.0	15.7	14.4	14.3
	13.2	13.2	11.3	8.5	11.0	10.7	11.6	13.1	14.4	12.4	12.4
Thermoplastic-Alkyd, White											
93-35	40.3	39.7	39.0	27.1	40.6	36.1	36.3	38.6	34.9	35.9	33.6
	41.6	39.0	39.7	28.5	38.3	35.9	36.1	36.5	35.4	37.1	35.6
93-41	53.1	50.4	50.3	34.0	47.1	42.2	44.4	44.8	43.7	44.5	40.6
	53.7	50.3	48.2	34.7	47.9	41.2	42.0	42.4	42.4	41.4	41.4
93-43	60.4	56.2	58.9	39.4	58.1	53.2	55.2	54.3	51.8	52.9	48.8
	60.0	55.7	56.9	39.5	59.3	50.7	53.0	51.3	51.8	51.9	48.0
93-47	59.2	58.0	54.3	43.3	54.3	49.7	51.2	52.5	50.7	51.8	47.4
	58.4	53.8	55.3	44.2	54.1	49.2	49.9	50.8	49.5	54.2	48.8
93-58	60.0	57.7	59.4	48.8	58.8	54.9	53.6	55.1	54.4	54.8	50.7
	60.2	55.0	55.3	46.7	51.8	50.5	50.7	50.4	48.1	52.4	48.8
93-69	44.3	47.9	52.4	43.3	55.8	49.4	51.5	51.3	55.5	52.7	47.1
	48.6	47.9	46.1	46.2	50.1	46.2	46.1	46.4	43.4	46.6	44.2

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, White (cont.)											
94-39	38.1	39.3	38.2	36.1	43.2	41.0	42.9	45.7	44.5	42.8	40.3
	43.4	35.4	38.5	33.1	37.7	34.8	32.5	32.5	34.6	34.6	32.6
94-45	54.9	49.5	56.2	42.7	55.1	48.9	54.2	59.2	56.4	58.0	53.0
	54.6	46.7	47.0	38.5	43.3	40.0	41.6	42.6	43.8	44.1	44.6
94-74	53.5	53.0	54.1	52.0	60.0	53.2	60.0	61.6	56.9	60.5	54.4
	54.7	51.6	49.3	45.6	52.2	46.3	45.4	46.9	41.6	47.7	43.7
94-102	49.6	46.5	49.1	57.5	54.7	55.4	59.6	57.2	60.4	62.5	54.3
	53.0	46.9	43.9	54.1	44.4	39.9	42.4	42.8	42.2	42.1	42.0
94-120	43.9	43.6	49.6	40.2	51.1	47.2	47.7	51.4	50.4	51.0	44.0
	45.3	42.7	42.2	37.7	48.3	44.3	42.2	44.6	39.9	43.1	42.1
Thermoplastic-Alkyd, Yellow											
93-36	50.6	45.9	52.4	34.4	51.4	43.9	44.5	46.0	49.1	45.9	41.9
	53.7	46.6	48.7	32.6	49.6	42.3	42.4	44.2	45.1	45.0	41.3
93-39	33.3	31.3	32.8	24.1	30.5	27.7	29.6	31.4	30.2	29.5	29.6
	33.2	30.7	29.7	22.8	30.7	27.1	28.1	29.2	28.8	29.2	29.3
93-40	30.3	28.9	31.7	22.2	30.3	27.0	29.7	31.0	27.3	30.2	29.6
	31.0	29.6	27.8	22.5	28.3	26.0	26.8	28.2	28.9	30.3	27.3
93-42	26.5	29.3	31.3	21.6	31.2	27.9	29.5	30.4	31.6	31.1	31.7
	30.8	29.1	28.5	22.4	30.6	28.6	28.2	28.2	27.4	27.9	29.4
93-46	36.0	34.5	35.9	30.2	36.1	31.1	35.0	35.7	34.3	32.3	30.4
	38.2	35.1	25.3	32.1	36.8	35.0	35.4	34.8	34.0	35.3	34.3
93-59	35.7	36.3	36.6	31.5	39.2	35.7	36.6	34.1	33.6	36.5	32.3
	37.1	35.9	34.2	28.9	35.8	30.9	32.9	33.1	32.3	35.7	32.1
93-68	27.6	32.1	34.0	27.9	39.0	34.1	35.1	35.9	33.8	33.7	32.3
	28.8	25.6	25.6	21.9	31.0	28.7	29.5	29.7	28.2	29.7	29.0
94-40	30.2	29.0	29.7	26.8	31.4	28.7	33.4	33.2	34.1	33.1	29.4
	30.6	27.3	29.5	26.0	28.5	24.6	25.7	26.1	26.8	29.3	27.7
94-42	28.9	29.0	30.8	29.6	35.6	31.1	34.6	34.0	36.3	36.4	33.1
	30.5	26.7	29.4	25.6	29.0	27.7	27.3	28.7	30.5	29.6	30.5

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Alkyd, Yellow (cont.)											
94-46	33.0	29.9	32.6	28.4	34.7	32.3	35.1	35.9	35.0	35.4	33.3
	34.0	27.5	30.1	23.2	27.2	28.9	29.2	26.8	29.2	29.2	27.7
94-48	32.8	33.6	33.8	27.9	35.0	33.5	35.9	38.6	35.7	37.0	34.7
	35.5	31.3	31.1	27.3	33.0	29.5	30.3	30.7	29.1	32.7	31.1
94-51	40.8	40.4	39.8	28.5	40.2	36.7	41.0	41.5	37.6	41.3	37.3
	41.9	39.9	43.5	32.2	41.3	39.8	39.3	40.3	39.4	42.5	41.4
94-71	31.3	32.7	33.6	28.2	38.7	35.3	38.0	37.1	34.9	36.4	33.9
	30.8	30.8	33.5	28.8	36.5	33.7	32.5	30.9	33.5	32.7	31.7
94-75	32.7	31.8	36.6	30.4	41.4	38.1	40.7	40.7	38.9	39.7	36.6
	35.4	33.6	36.1	28.5	36.6	32.3	34.7	33.3	33.0	32.6	34.8
94-101	31.8	28.0	30.6	33.2	32.6	32.6	36.3	37.4	34.5	39.2	34.6
	31.1	27.5	27.6	28.8	29.0	24.3	24.6	28.1	25.6	28.1	27.7
94-103	38.2	36.3	34.1	34.7	113.3	30.4	32.9	31.8	30.8	35.5	31.9
	47.5	38.7	35.7	31.6	33.2	31.9	29.6	28.7	26.5	32.8	28.7
94-104	28.6	27.2	30.2	31.6	30.3	28.9	31.6	34.1	35.5	45.9	34.2
	31.6	24.0	20.7	19.7	18.8	18.8	20.7	19.2	19.6	23.5	23.8
94-105	31.7	32.8	37.1	40.4	42.6	37.6	39.9	39.5	38.8	39.0	35.1
	37.8	32.5	35.5	34.5	35.7	33.1	33.2	33.0	32.0	35.0	34.6
94-118	29.7	28.6	36.6	29.6	39.1	36.3	37.9	38.4	39.0	38.3	37.3
	31.3	28.2	28.8	23.9	33.6	30.4	31.9	32.0	32.0	33.6	32.8
94-119	30.4	27.9	34.3	28.6	36.5	33.7	34.6	35.7	38.0	36.2	32.9
	28.7	28.8	27.2	23.1	31.1	28.2	30.6	28.9	29.4	29.9	28.4
Thermoplastic-Hydrocarbon, White											
93-32	54.3	58.6	69.6	42.1	61.2	56.3	53.3	55.4	52.2	52.9	48.1
	59.0	54.5	53.7	41.4	53.8	50.9	50.7	51.2	55.2	52.0	49.7
93-44	62.8	58.3	61.7	46.1	55.2	50.7	52.8	53.1	54.2	56.9	50.1
	66.3	63.4	63.0	52.6	61.5	55.7	55.7	56.5	52.1	56.0	54.0
93-66	46.3	47.7	56.3	45.9	58.4	54.7	55.9	57.4	57.7	58.1	50.1
	48.8	42.3	40.4	39.6	47.8	41.9	43.8	44.4	44.1	47.2	44.8

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, White (cont.)											
94-37	47.3	43.2	49.4	46.7	59.2	42.4	56.0	57.3	58.4	55.8	51.7
	49.9	43.6	45.5	37.8	43.4	37.3	42.2	40.5	39.7	44.1	42.3
94-43	53.4	51.9	60.0	60.3	72.3	65.5	66.1	68.2	65.3	60.3	58.8
	54.6	50.7	47.6	38.4	49.1	44.8	44.0	49.4	43.2	47.0	49.8
94-72	59.2	58.9	57.4	50.3	63.1	58.8	61.0	66.3	62.7	46.7	57.1
	63.8	61.1	59.1	52.4	61.6	52.2	53.1	53.0	52.3	58.5	57.4
94-106	51.5	47.7	58.7	64.5	63.9	60.0	61.9	60.0	61.4	60.9	55.8
	52.1	46.1	44.5	44.4	43.8	39.3	40.8	40.3	39.1	43.7	40.3
94-121	48.1	46.3	47.5	36.6	46.0	40.5	44.6	45.3	42.4	47.1	42.5
	49.5	42.4	43.1	31.6	37.9	40.8	37.6	38.6	40.0	40.7	40.7
Thermoplastic-Hydrocarbon, Yellow											
93-28	33.0	29.3	31.1	25.2	35.4	32.8	34.3	35.7	35.7	34.9	31.2
	36.9	34.7	35.3	23.5	34.8	28.8	30.8	31.3	30.0	31.0	28.6
93-29	30.1	31.2	32.5	25.6	38.5	34.2	37.2	36.6	37.8	36.1	34.4
	34.7	33.3	35.1	22.8	35.5	30.0	30.5	30.5	30.6	31.7	30.5
93-33	30.5	32.9	37.9	27.6	40.2	36.9	38.1	38.2	35.3	35.3	33.4
	37.3	33.7	35.0	24.1	36.9	31.8	33.5	108.7	33.6	34.2	32.7
93-34	28.5	33.7	35.6	27.7	38.1	34.9	35.1	37.8	32.3	32.3	31.5
	34.8	32.4	32.5	23.9	32.8	30.7	30.8	31.5	32.1	32.1	28.2
93-45	36.0	34.7	35.8	29.6	35.8	32.8	35.0	35.1	35.9	35.3	33.4
	39.6	37.9	37.3	31.4	38.5	32.8	33.6	35.4	33.3	34.2	34.2
93-60	30.2	30.3	32.9	26.9	34.3	31.5	34.6	33.7	31.0	33.8	30.2
	33.8	31.1	30.2	25.8	31.4	29.1	28.9	29.0	29.8	30.5	28.5
93-67	29.4	30.4	30.8	26.5	34.6	31.7	33.4	33.0	34.9	32.5	32.2
	29.8	27.6	27.6	23.9	30.4	28.7	27.9	28.3	28.7	28.7	29.1
94-38	40.2	36.7	39.1	34.6	44.4	39.7	39.3	43.2	43.1	43.1	34.9
	41.5	38.2	36.0	27.3	35.7	32.6	34.3	32.9	34.6	34.6	32.6
94-41	29.1	30.9	33.3	32.2	38.3	35.6	35.8	36.0	36.2	34.6	33.0
	30.9	30.5	32.3	27.0	33.6	29.3	30.6	29.6	30.3	30.7	29.9

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Hydrocarbon, Yellow (cont.)											
94-44	33.3	32.1	38.1	33.8	43.2	40.4	42.6	42.5	41.8	39.1	38.2
	32.6	27.8	24.1	22.7	28.3	25.4	27.1	28.8	27.1	29.2	27.1
94-47	33.7	32.1	37.6	36.4	47.1	43.1	44.1	44.4	43.4	38.5	40.2
	33.4	31.6	27.6	22.5	26.3	26.6	29.0	31.3	31.5	31.2	32.2
94-49	36.8	36.8	38.8	29.4	40.9	37.1	36.7	39.3	38.4	37.4	35.7
	41.7	39.0	41.6	30.8	42.8	35.8	36.8	37.5	38.6	38.7	37.7
94-73	32.9	35.0	40.3	37.0	41.5	40.6	41.3	41.9	42.2	42.3	39.2
	29.2	29.0	28.1	25.4	30.7	29.3	32.1	32.9	31.5	33.8	30.5
94-116	30.0	31.2	33.8	30.0	37.9	34.8	34.1	37.4	37.2	36.6	33.1
	28.3	28.4	27.2	24.5	29.5	27.8	28.2	29.4	29.0	28.2	26.9
94-117	36.2	23.7	39.5	30.6	38.4	36.8	38.7	39.5	35.9	38.8	34.3
	34.2	32.2	35.0	29.3	33.9	32.7	32.1	32.2	30.1	35.3	30.4
Thermoplastic-Preformed, White											
93-37	52.5	50.5	50.7	34.2	47.7	41.2	39.1	37.9	39.1	41.5	37.7
	55.8	51.1	50.8	37.2	48.9	43.7	44.1	38.9	45.2	45.8	43.5
93-38	49.5	54.6	55.5	35.7	51.4	44.3	47.2	49.0	49.7	50.9	46.9
	64.6	65.4	62.0	40.9	58.3	54.1	54.1	53.8	54.8	54.2	51.1
93-54	52.1	49.4	50.7	36.6	49.6	43.2	47.3	50.7	46.5	51.2	45.2
	47.2	50.2	51.2	35.7	50.0	44.9	41.7	44.8	43.7	44.5	41.7
93-55	44.0	48.7	53.0	38.2	54.2	47.0	50.4	52.4	49.6	52.3	46.3
	48.6	48.7	48.2	39.6	51.8	46.4	42.9	47.7	46.1	49.1	45.5
94-77	53.6	50.3	51.0	37.8	49.0	41.7	44.5	49.6	46.0	50.5	40.8
	56.4	45.9	51.0	36.8	52.0	45.6	44.4	45.5	44.1	35.5	41.7
94-78	56.7	54.4	53.2	38.3	53.4	44.4	47.8	47.8	35.5	43.3	42.2
	59.1	54.0	52.8	41.5	51.4	47.7	43.2	46.8	48.4	47.1	44.4
Thermoplastic-Preformed, Yellow											
93-30	28.1	27.7	28.6	21.3	26.7	23.0	24.5	24.4	23.7	24.0	22.3
	31.2	29.1	28.9	22.1	29.1	24.8	24.8	27.2	26.2	25.1	24.8

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Thermoplastic-Preformed, Yellow (cont.)											
93-31	33.3	29.5	33.0	22.8	32.0	24.8	29.7	31.3	32.6	31.8	30.8
	37.0	32.4	33.9	23.5	34.2	28.9	29.0	28.1	30.0	30.4	28.1
94-76	35.2	33.8	35.4	29.4	37.1	32.3	36.0	39.1	34.8	37.1	33.3
	34.7	33.5	32.8	25.3	35.5	33.2	34.3	32.5	30.7	32.9	30.7
Permanent Tape, White											
93-23	45.1	40.0	42.7	30.8	43.8	39.6	40.2	40.5	32.9	36.2	35.9
	44.7	43.2	43.6	32.0	47.2	42.2	42.0	42.5	41.2	40.5	40.4
93-25	80.9	65.6	73.6	50.7	76.4	69.6	71.7	69.7	69.7	65.7	67.5
	79.8	75.0	77.5	54.0	82.6	74.1	71.3	73.7	62.6	66.5	66.5
93-26	83.0	77.0	75.2	53.5	78.2	72.0	73.6	73.2	66.0	65.9	66.8
	80.2	76.0	77.3	52.2	80.3	73.4	73.2	73.5	70.5	70.4	67.7
93-49	42.5	39.1	40.3	33.6	44.1	39.1	40.2	40.7	41.0	38.2	37.7
	38.6	37.1	37.1	31.6	38.8	35.4	38.0	39.3	37.3	37.5	36.7
93-106	55.1	50.1	51.2	40.6	50.4	46.2	46.3	50.2	51.1	48.7	44.9
	51.2	48.9	46.6	38.3	47.5	46.0	44.6	46.0	43.5	37.8	41.5
93-108	85.6	82.9	78.5	64.4	85.6	79.8	79.8	79.8	79.4	73.8	76.7
	82.1	77.5	77.4	61.5	83.2	77.4	78.2	79.5	73.4	81.7	77.3
94-56	62.5	60.2	58.5	52.0	62.1	57.4	56.9	58.1	57.2	55.6	52.2
	62.9	57.3	55.3	43.5	57.6	52.7	52.6	53.6	52.6	51.4	52.5
94-57	68.3	64.2	64.2	46.9	70.2	64.8	62.8	64.3	67.3	60.7	61.2
	69.0	63.0	67.3	51.1	67.9	65.6	61.3	61.4	59.7	62.3	60.7
94-68	60.2	65.4	68.0	52.1	72.7	64.4	65.2	64.8	67.7	63.6	62.8
	70.9	66.8	65.8	55.9	70.2	65.8	64.5	64.9	64.6	67.2	63.3
94-70	58.1	54.0	55.0	42.6	57.6	50.0	54.1	53.2	57.1	54.6	51.9
	54.6	47.3	45.7	40.3	51.3	46.3	50.4	48.5	56.0	50.1	51.5
Permanent Tape, Yellow											
93-17	39.0	38.1	37.1	26.4	39.3	35.9	34.4	36.2	28.5	32.9	33.3
	38.9	36.1	37.1	26.0	39.1	34.2	34.2	34.9	34.1	33.6	36.3

TABLE 21. Colormeter Data for Beaded Paint and Beaded Thermoplastic, and Nonremovable Tape Transverse Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER	COLORMETER MEASUREMENTS*										
	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	DEC 1994	JAN 1995	FEB 1995	MAR 1995	APR 1995
Permanent Tape, Yellow (cont.)											
93-24	45.9	43.1	43.9	31.6	43.0	41.2	40.3	41.3	32.9	35.7	38.4
	46.9	44.8	44.9	32.1	47.3	42.5	42.9	44.1	42.0	42.4	41.2
93-27	40.0	37.2	35.5	26.2	38.0	34.8	35.9	36.5	37.1	33.9	34.3
	40.8	39.0	38.6	27.4	40.6	35.7	36.3	36.5	35.8	35.2	35.3
93-48	78.2	71.8	71.9	58.6	77.4	68.2	69.3	73.1	73.0	67.0	70.1
	74.7	72.0	69.2	59.9	78.4	71.1	71.4	73.9	69.8	73.4	71.5
93-107	32.3	30.7	29.7	25.6	32.4	29.5	31.7	32.4	31.3	31.8	29.4
	30.9	28.5	26.9	21.6	25.9	26.0	24.9	24.2	25.2	24.3	22.2
93-109	48.1	46.2	44.5	39.1	49.0	45.7	46.3	44.6	45.1	43.1	43.5
	47.3	45.2	44.6	35.9	47.8	45.0	46.1	45.3	44.0	39.9	44.4
94-67	33.2	31.2	32.8	25.3	34.0	30.8	30.9	31.0	32.8	30.8	31.4
	36.2	30.6	31.3	26.8	31.7	27.7	29.7	29.7	30.4	29.8	28.4
94-69	35.2	34.3	35.1	28.2	35.9	32.4	33.3	33.1	36.8	32.1	29.2
	33.6	32.1	32.0	26.7	37.0	33.4	32.5	33.5	32.9	32.3	30.6
Temporary Tape, White											
93-56	44.8	44.3	44.7	36.0	52.8	50.7	54.9	52.0	55.9	54.4	54.7
	36.0	37.8	37.8	39.5	47.7	44.0	45.7	49.0	47.5	47.9	46.4
Temporary Tape, Yellow											
93-57	27.7	32.3	31.1	28.7	35.1	32.3	32.5	35.4	33.4	35.1	35.5
	24.4	25.9	24.4	26.5	31.7	29.7	28.9	29.9	31.2	31.5	31.1
93-64	28.1	32.6	29.4	22.8	31.3	29.2	33.0	33.3	34.1	34.6	36.5
	25.7	23.6	26.4	20.7	27.0	27.5	27.3	26.1	28.3	29.1	26.5

* Millicandelas per square foot per footcandle.

** Top number is wheeltrack measurement and bottom number is centerline measurement.

TABLE 22. Colormeter Data for Removable Tape Lines on Asphalt Pavement (Alabama)

SAMPLE NUMBER		COLORMETER MEASUREMENT (4)						
		INITIAL 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994
Removable Tape, Yellow								
93-18	T-LW (1)	**	35	*	*	*	*	*
	T-C (2)	**	37	*	*	*	*	
	L (3)	**	38	37	37	40	35	35
93-19	T-LW	**	36	*	*	*	*	*
	T-C	**	37	*	*	*	*	*
	L	**	37	35	36	37	35	35
93-21	T-LW	**	40	*	*	*	*	*
	T-C	**	41	*	*	*	*	*
	L	**	44	43	44	45	42	42
93-22	T-LW	**	*	*	*	*	*	*
	T-C	**	*	*	*	*	*	*
	L	**	38	33	34	34	31	34
93-51	T-LW	**	37	33	35	34	33	32
	T-C	**	35	31	32	33	30	31
	L	**	35	31	33	35	33	30
93-53	T-LW	**	34	32	31	30	30	29
	T-C	**	36	31	30	29	28	28
	L	**	36	42	43	47	45	28
93-62	T-LW	**	30	35	35	32	21	*
	T-C	**	30	29	32	29	24	*
	L	**	34	39	39	40	35	35
93-110	T-LW	**	40	35	31	28	26	35
	T-C	**	43	41	38	41	37	21
	L	**	44	41	44	46	41	42
94-65	T-LW	**	37	36	36	35	33	32
	T-C	**	39	36	38	37	36	37
	L	**	39	37	37	38	35	30
94-80	T-LW	**	35	33	33	31	51	33
	T-C	**	37	36	34	33	53	*
	L	**	40	39	39	41	39	37

TABLE 22. Colormeter Data for Removable Tape Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER		COLORMETER MEASUREMENT (4)						
		INITIAL 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994
Removable Tape, White								
93-16	T-LW	**	68	*	*	*	*	*
	T-C	**	75	*	*	*	*	*
	L	**	74	71	71	73	66	68
93-20	T-LW	**	68	*	*	*	*	*
	T-C	**	72	*	*	*	*	*
	L	**	75	72	69	71	65	70
93-50	T-LW	**	70	61	61	62	58	68
	T-C	**	61	58	63	60	53	62
	L	**	61	58	56	60	56	54
93-52	T-LW	**	52	47	49	44	46	42
	T-C	**	58	51	51	50	43	41
	L	**	67	54	64	56	61	47
0	T-LW	**	48	*	*	*	*	*
	T-C	**	48	*	*	*	*	*
	L	**	49	67	60	54	56	57
94-66	T-LW	**	59	56	55	55	51	*
	T-C	**	60	56	57	61	53	*
	L	**	56	49	49	50	46	36
94-79	T-LW	**	*	*	*	*	*	*
	T-C	**	*	*	*	*	*	*
	L	**	73	70	69	71	65	64

- (1) Transverse Stripe - Left Wheel Path
 (2) Transverse Stripe - Centerline
 (3) Longitudinal Stripe - Centerline

* Tape Missing
 ** Data not taken.

NOV
1994

TABLE 23. Colormeter Data for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama)

SAMPLE NUMBER		COLORMETER MEASUREMENT						
		INITIAL 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994
Removable Tape, Yellow								
93-18	T-LW (1)	**	73	69	61	63	67	60
	T-C (2)	**	38	37	35	35	38	32
	L (3)	**	39	35	35	36	39	36
93-19	T-LW	**	39	36	*	*	*	*
	T-C	**	38	36	*	*	*	*
	L	**	41	36	35	37	40	35
93-21	T-LW	**	45	42	41	39	41	39
	T-C	**	44	42	43	43	45	42
	L	**	44	42	43	44	46	46
93-22	T-LW	**	31	*	*	*	*	*
	T-C	**	33	*	*	*	*	*
	L	**	38	36	*	*	*	*
93-51	T-LW	**	37	34	34	44	34	33
	T-C	**	33	30	29	28	29	29
	L	**	35	31	28	32	32	34
93-53	T-LW	**	34	30	31	28	30	27
	T-C	**	33	31	33	28	30	25
	L	**	45	38	34	36	38	30
93-62	T-LW	**	33	32	34	28	34	32
	T-C	**	31	27	28	27	30	33
	L	**	27	40	*	*	*	*
93-110	T-LW	**	44	42	38	37	43	40
	T-C	**	42	39	37	37	39	38
	L	**	46	42	42	43	47	44
94-65	T-LW	**	40	35	36	34	38	35
	T-C	**	37	37	33	33	35	31
	L	**	37	36	35	35	40	37
94-80	T-LW	**	39	37	35	37	39	35
	T-C	**	38	35	34	34	36	32
	L	**	40	38	36	39	43	38

TABLE 23. Colormeter Data for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama) (continued)

SAMPLE NUMBER		COLORMETER MEASUREMENT						
		INITIAL 1994	JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994
Removable Tape, White								
93-16	T-LW	**	73	69	61	63	67	60
	T-C	**	73	70	70	70	74	70
	L	**	77	72	71	72	75	73
93-20	T-LW	**	76	*	*	*	*	*
	T-C	**	76	*	*	*	*	*
	L	**	78	73	73	74	77	71
93-50	T-LW	**	69	71	72	67	73	67
	T-C	**	61	63	60	61	68	47
	L	**	66	64	69	68	60	68
93-52	T-LW	**	72	62	61	59	61	59
	T-C	**	64	64	56	57	62	52
	L	**	73	67	68	67	64	62
93-63	T-LW	**	50	46	36	44	42	43
	T-C	**	41	38	39	45	42	42
	L	**	45	57	*	*	*	*
94-66	T-LW	**	65	56	57	54	64	59
	T-C	**	53	51	48	47	49	58
	L	**	55	50	50	54	53	47
94-79	T-LW	**	*	*	*	*	*	*
	T-C	**	*	*	*	*	*	*
	L	**	75	65	66	70	74	64

- (1) Transverse Stripe - Left Wheel Path
 (2) Transverse Stripe - Centerline
 (3) Longitudinal Stripe - Centerline

* Tape Missing
 ** Data not taken.

TABLE 24. Removability Ratings for Removable Tape Lines on Asphalt Pavement (Alabama)

SAMPLE NUMBER		JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG**
Removable Tape, Yellow								
93-18	T	10.0	*	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-19	T	10.0	*	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-21	T	10.0	*	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-22	T	*	*	*	*	*	*	*
	L	*	10.0	10.0	10.0	10.0	10.0	10.0
93-51	T	10.0	8.0	9.0	4.0	6.0	5.0	7.0
	L	10.0	10.0	10.0	8.0	9.0	8.0	9.2
93-53	T	10.0	10.0	7.0	2.0	5.0	4.0	6.3
	L	10.0	10.0	9.0	8.0	*	10.0	9.4
93-62	T	5.0	3.0	0.0	0.0	0.0	0.0	1.3
	L	10.0	9.0	7.0	2.0	5.0	0.0	5.5
93-110	T	10.0	10.0	10.0	8.0	9.0	9.0	9.3
	L	10.0	10.0	9.0	10.0	10.0	10.0	9.8
94-65	T	10.0	8.0	7.0	5.0	5.0	3.0	6.3
	L	10.0	10.0	10.0	7.0	8.0	8.0	8.8
94-80	T	9.0	10.0	3.0	1.0	0.0	1.0	4.0
	L	10.0	10.0	10.0	9.0	9.0	8.0	9.3
Removable Tape, White								
93-16	T	10.0	*	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-20	T	10.0	*	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-50	T	10.0	10.0	9.0	6.0	7.0	8.0	8.3
	L	10.0	10.0	10.0	9.0	9.0	8.3	9.4

TABLE 24. Removability Ratings for Removable Tape Lines on Asphalt Pavement (Alabama) (continued)

SAMPLE NUMBER		JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG**
93-52	T	10.0	10.0	9.0	5.0	7.0	5.3	7.7
	L	10.0	10.0	10.0	9.0	10.0	10.0	9.8
93-63	T	0.0	*	*	*	*	*	0.0
	L	10.0	*	0.0	0.0	0.0	0.0	2.0
94-66	T	*	10.0	10.0	8.0	6.0	*	8.5
	L	10.0	10.0	10.0	8.0	8.0	9.0	9.2
94-79	T	*	*	*	*	*	*	*
	L	10.0	10.0	10.0	10.0	10.0	9.3	9.9
Removable Tape, Black								
93-111	T	10.0	10.0	10.0	10.0	9.0	10.0	9.8
	L	10.0	10.0	10.0	9.8	10.0	9.7	9.9
94-60	T	*	*	9.0	7.0	7.0	6.0	7.3
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0

T Transverse Stripe
L Longitudinal Stripe

* Tape Missing

** Average of months where tape was remaining.

Table 25. Removability Ratings for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama)

SAMPLE NUMBER		JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG.**
Removable Tape, Yellow								
93-18	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-19	T	10.0	*	*	*	*	*	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-21	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-22	T	10.0	*	*	*	*	*	10.0
	L	10.0	*	*	*	*	*	10.0
93-51	T	10.0	10.0	9.0	8.0	8.0	7.0	8.7
	L	10.0	10.0	10.0	9.0	9.0	9.0	9.5
93-53	T	10.0	10.0	7.0	8.0	7.0	6.0	8.0
	L	10.0	10.0	10.0	9.0	8.0	9.0	9.3
93-62	T	5.0	2.0	2.0	0.0	0.0	0.0	1.5
	L	10.0	10.0	*	*	*	*	10.0
93-110	T	10.0	10.0	10.0	10.0	9.0	10.0	9.8
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-65	T	10.0	10.0	10.0	9.0	7.0	7.0	8.8
	L	10.0	10.0	10.0	10.0	9.0	10.0	9.8
94-80	T	10.0	10.0	5.0	5.0	3.3	5.0	6.4
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Removable Tape, White								
93-16	T	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
93-20	T	10.0	*	*	*	*	*	10.0
	L	10.0	10.0	10.0	9.7	10.0	10.0	10.0
93-50	T	10.0	10.0	9.0	8.0	7.0	5.0	8.2
	L	10.0	10.0	10.0	9.0	9.0	9.0	9.5
93-52	T	10.0	10.0	9.0	8.0	8.0	8.0	8.8
	L	10.0	10.0	10.0	9.0	9.0	9.0	9.5

Table 25. Removability Ratings for Removable Tape Lines on Portland Cement Concrete Pavement (Kentucky) (continued)

SAMPLE NUMBER		JUN 1994	JUL 1994	AUG 1994	SEP 1994	OCT 1994	NOV 1994	AVG.**
93-63	T	5.0	5.0	2.0	0.0	0.0	0.0	2.0
	L	10.0	10.0	*	*	*	*	10.0
94-66	T	10.0	10.0	8.0	8.0	7.0	7.0	8.3
	L	10.0	10.0	10.0	10.0	9.0	10.0	9.8
94-79	T	10.0	10.0	7.0	8.0	6.7	5.0	7.8
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Removable Tape, Black								
93-111	T	10.0	10.0	10.0	10.0	9.0	10.0	9.8
	L	10.0	10.0	10.0	10.0	10.0	10.0	10.0
94-60	T	10.0	10.0	10.0	9.0	9.0	9.0	9.5
	L	10.0	10.0	10.0	10.0	*	10.0	10.0

T Transverse Stripe
L Longitudinal Stripe

* Tape Missing

** Average of months where tape was remaining.

TABLE 26. Discernability Ratings for Removable Tape Lines on Asphalt Pavement (Alabama)*

SAMPLE NUMBER		Months After Removal					
		0	1	2	3	4	5
Removable Tape, Yellow							
93-018	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-019	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-021	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-022	T	0.0	0.0	0.0	0.0	0.0	0.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-051	T	8.8	9.5	9.7	9.7	9.8	9.8
	L	9.7	9.8	10.0	10.0	10.0	10.0
93-053	T	6.8	8.3	9.3	8.7	8.8	9.3
	L	9.8	10.0	10.0	10.0	10.0	10.0
93-062	T	1.5	1.5	1.5	1.5	2.2	2.3
	L	6.0	6.7	6.2	6.3	6.7	7.2
93-110	T	9.8	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-065	T	9.6	8.4	9.5	9.5	9.5	9.5
	L	9.8	9.7	9.8	9.8	10.0	10.0
94-080	T	3.8	4.8	7.4	6.5	6.5	6.2
	L	9.2	9.2	9.2	9.2	9.3	9.5
Removable Tape, White							
93-016	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-020	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-050	T	8.8	9.5	9.7	9.7	9.7	9.7
	L	9.7	9.8	9.8	9.8	10.0	10.0

TABLE 26. Discernability Ratings for Removable Tape Lines on Asphalt Pavement (Alabama)* (continued)

SAMPLE NUMBER		Months After Removal					
		0	1	2	3	4	5
93-052	T	8.8	9.3	7.8	8.7	8.8	9.3
	L	9.8	10.0	10.0	10.0	10.0	10.0
93-063	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	2.0	2.2	2.4	2.6	2.6	2.6
94-066	T	9.6	10.0	10.0	10.0	10.0	10.0
	L	9.8	10.0	10.0	10.0	10.0	10.0
94-079	T	0.0	0.0	0.0	0.0	0.0	0.0
	L	9.6	9.7	9.7	9.7	10.0	10.0
Removable Tape, Black							
93-111	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-060	T	8.3	9.0	9.3	9.3	8.5	9.0
	L	10.0	10.0	10.0	10.0	10.0	10.0

T Transverse Stripe
L Longitudinal Stripe

* Ratings were taken for tape removed as part of the evaluation. Ratings were not taken for tape which lost adhesion and were not removed as part of the evaluation.

TABLE 27. Discernability Ratings for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama)*

SAMPLE NUMBER		Months After Removal					
		0	1	2	3	4	5
Removable Tape, Yellow							
93-018	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-019	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-021	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-022	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-051	T	9.0	9.3	9.3	9.3	9.3	9.3
	L	9.3	9.5	9.5	9.5	9.5	9.7
93-053	T	6.8	8.3	9.3	8.7	8.8	9.3
	L	9.0	9.2	9.5	9.5	9.5	9.5
93-062	T	2.0	2.0	2.0	2.0	2.0	2.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-110	T	9.8	9.8	9.8	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-065	T	9.5	9.7	9.7	9.7	9.7	9.7
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-080	T	6.8	7.5	8.2	8.5	8.5	8.5
	L	10.0	10.0	10.0	10.0	10.0	10.0
Removable Tape, White							
93-016	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-020	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
93-050	T	6.8	8.7	8.8	9.3	9.3	9.3
	L	9.5	9.5	9.5	9.5	9.5	9.5

TABLE 27. Discernability Ratings for Removable Tape Lines on Portland Cement Concrete Pavement (Alabama)* (continued)

SAMPLE NUMBER		Months After Removal					
		0	1	2	3	4	5
93-052	T	9.0	9.3	9.7	9.7	9.7	9.7
	L	9.8	9.8	9.8	9.8	9.8	9.8
93-063	T	1.8	2.7	3.5	4.2	4.5	4.5
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-066	T	9.2	9.5	9.7	9.7	9.7	9.7
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-060	T	9.7	9.8	9.8	9.8	9.8	9.8
	L	10.0	10.0	10.0	10.0	10.0	10.0
Removable Tape, Black							
93-111	T	10.0	10.0	10.0	10.0	10.0	10.0
	L	10.0	10.0	10.0	10.0	10.0	10.0
94-060	T	9.7	9.8	9.8	9.8	9.8	9.8
	L	10.0	10.0	10.0	10.0	10.0	10.0

T Transverse Stripe
L Longitudinal Stripe

* Ratings were taken for tape removed as part of the evaluation. Ratings were not taken for tape which lost adhesion and were not removed as part of the evaluation.

APPENDIX

TWO-YEAR SUMMARY OF DATA FOR 1993 TEST DECKS

TABLE A1. LONG LIFE STRIPING MATERIALS TESTED (RTF93) (KENTUCKY)

COMPANY	SAMPLE NUMBER	TYPE*
Adveance Traffic Markings	STR-92-1	ATM-400 White Extended Life Tape P
	STR-92-2	ATM-300 Yellow Durable Tape P
	STR-92-3	ATM-300 White Durable Tape P
Baltimore Paint	STR-92-6	BP-6822 White Polyester Paint
	STR-92-7	BP-6823 Yellow Polyester Paint
	STR-92-8	BP-6824 White Polyester Paint (FD 60)
	STR-92-9	BP-6825 Yellow Polyester Paint (120)
	STR-92-10	BP-6826 White Polyester Paint (FD60)
	STR-92-11	BP-6827 Yellow Polyester Paint (180)
Cataphote, Inc.	STR-92-14	Thermo-Quik 701 White Thermoplastic H
	STR-92-44*	Yellow Paint MMP LF
	STR-92-98	Thermo-Quik 701 Yellow Thermoplastic H
Linear Dynamics	STR-92-21	LW-9201AY Yellow Thermoplastic A
	STR-92-22	LW-9201AW White Thermoplastic A
AExcel Corporation	STR-92-36	75W-D014 White Polyester Paint LF (120)
	STR-92-37	75W-D018 Yellow Polyester Paint L (120)
	STR-92-38	75Y-D016 Yellow Polyester Paint LF (120)
Flint Trading	STR-92-63	Premark R30PB White Performed Thermoplastic H
Morton International	STR-92-66	White Paint Dura-St Type IV LF-MMP
	STR-92-67	Yellow Paint Dura-St Type IV L-MMP
	STR-92-68	White Paint Dura-St Type I LF-MMP
	STR-92-69	Yellow Paint Dura-St Type II L-MMP
	STR-92-70	Yellow Paint Dura-St Type V L-MMP
	STR-92-71	White Paint Dura-St Type V LF-MMP
Swarco Industries	STR-92-72	White Thermoplastic A
	STR-92-73	Yellow Thermoplastic A
	STR-92-74	Yellow Thermoplastic H
	STR-92-75	White Thermoplastic H
Intermark Corporation	STR-92-76	Interplast 2000 White Thermoplastic H
	STR-92-78	Interplast 2000 Yellow Thermoplastic H
Swarco/Volare Ltd.	STR-92-85	Director Yellow Tape P
	STR-92-86	Director White Tape P
P.B. Laminations, Inc.	STR-92-90	Aztec Yellow Tape T
	STR-92-92	Aztec White Tape T
Poly-Carb, Inc.	STR-92-97	Mark 55.7 Multipolymer System White
	STR-92-99	Mark 55.7 Multipolymer System Yellow

TABLE A1. LONG LIFE STRIPING MATERIALS TESTED (RTF93) (KENTUCKY)

COMPANY	SAMPLE NUMBER	TYPE*
AExcel	STR-93-5	White Polyester Paint LF (120)
	STR-93-6	Yellow Polyester Paint LF (120)
	STR-93-7	Yellow Polyester Paint L (120)
Linear Dynamics	STR-93-17	Prismo Plastix Series A-3310 Yellow Tape P
	STR-93-23	Prismo Plastix Series A-3340 White Tape P
	STR-93-24	Prismo Plastix Series A-1350 Yellow Tape P
	STR-93-25	Prismo Plastix Series A-4310 White Tape P
	STR-93-26	Prismo Plastix Series A-3320 White Tape P
	STR-93-27	Prismo Plastix Series A-4320 Yellow Tape P
Pave-Mark	STR-93-28	YOE-4BX-AT Yellow Thermoplastic LF H
	STR-93-29	YOE-4BX-AA Yellow Thermoplastic H
	STR-93-30	YOD-7TX-90 Yellow Preformed Thermoplastic Tape
	STR-93-31	YOD-8TX-90 Yellow Preformed Thermoplastic Tape
	STR-93-32	W2D-4BT-GA White Thermoplastic H
	STR-93-33	Y2D-4BT-GA Yellow Thermoplastic H
	STR-93-34	YOD-4BT-GA Yellow Thermoplastic LF H
	STR-93-35	W2D-5BX-AB White Thermoplastic A
	STR-93-36	Y2D-5BX-AB Yellow Thermoplastic A
	STR-93-37	W3D-8TX-90 White Preformed Thermoplastic Tape
	STR-93-38	W3D-7TX-90 White Preformed Thermoplastic Tape
	STR-93-39	YOE-5BX-AA Yellow Thermoplastic LF A
	STR-93-40	YOE-5BX-AT Yellow Thermoplastic LF A
	STR-93-41	AASHTO White Thermoplastic A
	STR-93-42	PT-260 Yellow Thermoplastic A
	STR-93-43	PT-260 White Thermoplastic A
Brite-Line	STR-93-44	White Thermoplastic H
	STR-93-45	Yellow Thermoplastic H
	STR-93-46	Yellow Thermoplastic A
	STR-93-47	White Thermoplastic A
	STR-93-48	Yellow Series 1000 Tape P
	STR-93-49	White Series 1000 Tape P
Flint Trading, Inc.	STR-93-54	Model R-30PBA White Preformed Thermoplastic H
	STR-93-55	Model R-20ST White Preformed Thermoplastic H
Swarco	STR-93-56	White Visa-Line Engineer Grade Tape T
	STR-93-57	Yellow Visa-Line Engineer Grade Tape LF T
	STR-93-58	White Thermoplastic A
	STR-93-59	Yellow Thermoplastic A
	STR-93-60	Yellow Thermoplastic LF H
Flex-O-Lite	STR-93-64	FOL-310 Yellow Tape LF T

TABLE A1. LONG LIFE STRIPING MATERIALS TESTED (RTF93) (KENTUCKY)

COMPANY	SAMPLE NUMBER	TYPE*
Cataphote	STR-93-65	Yellow Paint MMP
	STR-93-66	White Thermoplastic H
	STR-93-67	Yellow Thermoplastic H
	STR-93-68	Yellow Thermoplastic LF H
	STR-93-69	White Thermoplastic A
Baltimore Paint	STR-93-70	BP-9107 White Polyester Paint (90)
	STR-93-71	BP-9108 Yellow Polyester Paint (120)
	STR-93-72	BP-9109 Yellow Polyester Paint LF (FD60)
	STR-93-73	BP-9110 White Polyester Paint (120)
	STR-93-74	BP-9111 Yellow Polyester Paint (180)
3M	STR-93-106	Stamark Series A380 White Tape P
	STR-93-107	Stamark Series A380 Yellow Tape P
	STR-93-108	Stamark Series A440 White Tape P
	STR-93-109	Stamark Series A421 Yellow Tape P

L - Leaded
 LF - Lead Free
 A - Alkyd
 ALP - Acrylic Latex Polymer (Water Based)
 FD - Fast Dry (Number in paranthesis give time in seconds for no-track test)
 H - Hydrocarbon
 P - Permanent
 R - Removable
 PM - Polymethyl Methacrylate
 T - Temporary Marking Tape
 MMP - Methyl Methacrylate Polymer

* Applied to PCC only.

TABLE A2. Reflectivity Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Paint - Polyester, White						
92-06**	356	299	331	280	254	178
	532	450	531	449	481	420
92-08	322	165	300	124	221	92
	505	404	483	410	435	362
92-10	264	212	237	168	158	115
	516	384	494	391	431	360
92-36	48	138	31	147	12	114
	244	181	206	179	140	156
93-05	50	135	56	125	27	107
	182	182	205	176	103	153
93-70	269	346	248	252	187	230
	435	445	412	425	396	370
93-73	272	279	244	255	191	219
	416	400	408	358	372	348
Paint - Polyester, Yellow						
92-07	190	233	156	226	113	153
	365	319	337	317	323	278
92-09	125	87	125	76	83	42
	174	272	325	237	294	209
92-11	135	94	122	75	86	31
	254	215	247	207	228	156
92-37	58	64	53	59	37	45
	106	79	103	75	74	59
92-38	39	51	35	69	21	41
	79	69	77	62	61	48
93-06	50	56	51	57	38	30
	83	70	77	60	60	45
93-07	74	67	74	65	51	35
	109	82	97	72	75	51

TABLE A2. Reflectivity Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Paint - Polyester, Yellow (cont'd)						
93-71	100	131	91	126	71	82
	330	301	327	267	260	198
93-72	103	123	81	112	64	84
	303	259	291	235	244	191
93-74	142	118	122	193	88	78
	312	281	320	325	277	217
Paint - Methy Methacrylite Polymer, White						
92-66	81	115	91	130	52	90
	80	181	86	173	77	150
92-68	137	135	140	188	97	115
	167	170	175	181	151	150
92-71	82	113	82	111	50	72
	216	277	170	261	175	220
Paint - Methy Methacrylite Polymer, Yellow						
92-44	***	57	***	54	***	141
	***	94	***	81	***	211
92-67	66	84	65	132	41	64
	61	129	61	163	51	106
92-69	80	83	76	200	56	62
	260	118	227	250	186	99
92-70	50	73	51	87	29	50
	60	160	57	137	48	122
93-65	46	****	41	****	57	****
	96	****	85	****	77	****
Thermoplastic - Alkyd, White						
92-22	257	274	273	274	261	164
	466	366	322	278	254	233

TABLE A2. Reflectivity Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Thermoplastic - Alkyd, White (cont'd)						
92-72	276	276	246	241	220	212
	325	314	247	244	230	174
93-35	130	176	114	172	102	97
	122	209	104	202	125	211
93-41	243	292	235	267	212	210
	208	254	186	289	207	180
93-43	297	321	243	348	202	234
	397	464	380	438	364	370
93-47	207	231	107	229	187	202
	267	345	253	298	261	241
93-58	243	269	235	226	207	203
	341	230	305	201	314	211
93-69	212	294	138	271	237	234
	292	403	217	395	357	316
Thermoplastic - Alkyd, Yellow						
92-21	123	259	118	251	114	98
	151	207	152	212	175	145
92-73	133	152	116	148	112	102
	149	144	134	141	129	179
93-36	200	232	189	229	165	161
	255	261	182	258	179	182
93-39	145	200	131	202	121	144
	139	190	132	165	150	178
93-40	154	188	142	174	131	114
	155	194	121	229	122	151
93-42	131	188	110	169	86	96
	176	219	162	145	169	131

TABLE A2. Reflectivity Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Thermoplastic - Alkyd, Yellow (con't)						
93-46	140	156	133	151	121	129
	184	181	163	167	161	151
93-59	136	140	121	141	111	97
	142	150	106	136	107	106
Thermoplastic - Hydrocarbon, White						
92-14	158	148	158	150	149	120
	154	251	148	272	164	203
92-75	177	175	153	165	155	142
	260	241	231	215	240	201
92-76	253	****	200	****	175	****
	439	****	326	****	345	****
93-32	43	57	33	42	13	28
	185	227	179	207	186	197
93-44	169	220	169	204	99	141
	247	275	208	166	195	211
93-66	200	221	179	130	180	179
	80	340	283	173	277	199
Thermoplastic - Hydrocarbon, Yellow						
92-74	91	94	78	96	80	66
	135	134	114	131	109	106
92-78	102	****	96	****	84	****
	169	****	132	****	133	****
92-98	87	114	81	112	79	95
	121	162	103	131	101	166
93-28	96	122	84	37	82	83
	123	145	107	94	133	128
93-29	124	131	121	193	101	70
	149	209	163	186	169	169

TABLE A2. Reflectivity Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Thermoplastic - Hydrocarbon, Yellow (con't)						
93-33	30	43	25	37	24	25
	116	103	98	94	89	83
93-34	32	49	30	38	10	24
	119	107	101	92	91	85
93-45	253	142	127	142	111	104
	176	190	166	156	139	148
93-60	89	93	85	93	81	68
	137	122	123	109	117	142
93-67	120	138	65	179	41	142
	143	135	61	249	51	161
93-68	141	172	121	138	142	106
	167	147	155	198	176	194
Thermoplastic - Performed, White						
92-63	156	119	141	194	122	113
	182	179	147	161	149	117
93-37	145	175	157	161	136	133
	254	312	187	181	187	187
93-38	189	188	191	163	149	145
	394	511	395	437	324	355
93-54	143	182	149	185	128	132
	211	314	189	197	179	160
93-55	178	187	165	243	149	138
	230	318	192	233	193	188
Thermoplastic - Preformed, Yellow						
93-30	76	88	78	85	60	59
	151	143	107	108	88	89
93-31	82	100	80	90	62	61
	146	207	122	143	100	100

TABLE A2. Reflectivity Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Epoxy - White						
92-97	73	171	50	154	53	95
	130	184	122	176	78	135
Epoxy - Yellow						
92-99	134	149	99	134	72	91
	218	210	193	193	181	184
Permanent Tape - White						
92-01	71	149	72	96	49	44
	303	312	251	321	183	232
92-03	67	75	68	85	51	53
	120	137	106	129	85	77
92-86	72	91	94	106	82	78
	122	201	100	130	88	92
92-92	64	84	66	69	38	36
	217	382	212	359	172	284
93-23	143	141	124	134	75	97
	224	244	205	234	180	200
93-25	160	206	202	185	130	124
	456	507	458	507	401	412
93-26	353	300	219	245	207	185
	549	504	516	541	474	468
93-49	127	135	106	100	54	56
	322	369	297	353	126	253
93-56	44	76	53	71	31	49
	102	119	104	113	78	91
93-106	193	122	173	166	130	139
	722	836	648	782	515	548
93-108	141	137	142	128	70	71
	303	351	267	322	205	256

TABLE A2. Reflectivity Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	REFLECTIVITY MEASUREMENT*					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Permanent Tape - Yellow						
92-02	73	70	64	48	30	23
	190	208	193	215	166	184
92-85	60	71	69	79	46	49
	122	336	165	275	123	180
92-90	59	73	86	74	33	38
	229	283	192	244	171	189
93-17	296	300	253	252	179	200
	436	460	406	520	373	436
93-24	145	156	131	122	85	81
	208	247	211	248	177	207
93-27	261	249	235	234	163	177
	420	391	411	471	372	407
93-48	143	156	131	129	78	83
	368	479	307	442	248	333
93-57	38	66	46	65	27	34
	85	104	74	97	60	80
93-64	40	71	46	57	22	33
	102	100	92	76	83	76
93-107	230	194	206	166	117	115
	540	619	475	614	428	520
93-109	55	139	59	68	32	38
	130	167	120	154	96	115

* Millicandelas per square foot per footcandle

** Top number is left wheel track measurement and bottom number is centerline measurement.

*** Indicates tape used only on PCC.

**** Indicates tape used only on Asphalt.

TABLE A3. Durability Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	SUBJECTIVE RATING					
	September 94 ASPHALT	PCC	January 95 ASPHALT	PCC	May 95 ASPHALT	PCC
Paint - Polyester, White						
92-06	9.0	5.5	8.9	6.0	8.5	4.2
92-08	9.0	1.3	9.2	0.8	8.6	0.5
92-10	8.0	2.1	8.8	0.8	8.4	0.5
92-36	1.0	6.3	0.5	7.4	0.3	5.6
93-05	3.8	6.5	1.4	7.4	1.0	5.9
93-70	9.8	7.3	9.2	7.3	8.8	5.7
93-73	9.0	6.9	9.0	8.2	8.9	6.4
Paint - Polyester, Yellow						
92-07	8.0	6.5	8.0	7.3	8.2	5.1
92-09	6.8	1.0	7.8	0.3	7.2	0.7
92-11	8.0	2.0	8.5	0.6	8.2	0.8
92-37	4.8	5.8	3.0	8.3	4.3	5.5
92-38	2.3	6.0	0.8	6.4	0.7	5.3
93-06	7.0	5.2	8.3	5.9	7.7	5.1
93-07	7.0	4.7	6.0	5.0	7.4	4.7
93-71	7.5	5.6	8.5	6.8	7.3	4.7
93-72	7.5	4.3	8.8	3.0	7.5	2.4
93-74	8.8	5.1	8.3	6.1	8.4	4.4
Paint - Methy Methacrylate Polymer, White						
92-66	10.0	****	10.0	10.0	10.0	9.8
92-68	10.0	10.0	9.9	10.0	10.0	10.0
92-71	10.0	10.0	10.0	10.0	10.0	10.0

TABLE A3. Durability Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	SUBJECTIVE RATING					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Paint - Methy Methacrylate Polymer, Yellow						
92-44	***	5.7	***	5.2	***	5.3
92-67	10.0	10.0	10.0	10.0	10.0	10.0
92-69	10.0	10.0	10.0	10.0	10.0	10.0
92-70	10.0	10.0	9.7	10.0	10.0	9.6
93-65	6.3	****	8.0	****	5.0	***
Thermoplastic - Alkyd, White						
92-22	9.0	6.4	9.2	8.8	8.7	4.1
92-72	9.0	9.0	9.5	9.6	9.3	9.2
93-35	9.0	8.3	9.5	9.3	9.3	9.0
93-41	9.0	7.3	9.7	8.1	9.1	8.7
93-43	9.0	8.6	10.0	10.0	9.5	9.6
93-47	8.8	8.3	8.8	8.9	8.4	7.6
93-58	9.0	6.0	8.8	7.8	8.9	7.8
93-69	9.0	8.5	9.0	9.4	9.0	8.1
Thermoplastic - Alkyd, Yellow						
92-21	8.0	8.0	9.5	8.7	8.1	9.0
92-73	9.0	8.5	9.2	10.0	9.3	8.3
93-36	9.0	9.0	9.9	9.5	9.5	9.4
93-39	8.7	8.0	9.4	9.2	9.0	8.6
93-40	9.0	9.0	9.0	9.5	8.9	8.8
93-42	9.0	9.0	10.0	9.7	9.7	4.9

TABLE A3. Durability Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	SUBJECTIVE RATING					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Thermoplastic - Alkyd, Yellow (con't)						
93-46	9.0	7.5	8.3	9.0	8.5	8.1
93-59	9.0	9.0	9.2	10.0	9.2	9.0
Thermoplastic - Hydrocarbon, White						
92-14	7.5	7.0	8.6	7.5	6.3	5.0
92-75	9.0	8.7	9.2	9.9	8.7	7.8
92-76	10.0	****	9.7	****	9.4	****
93-32	8.3	7.8	9.3	8.8	2.3	0.8
93-44	8.0	7.5	9.2	8.0	6.7	3.9
93-66	8.8	8.3	8.9	9.0	8.9	8.0
Thermoplastic - Hydrocarbon, Yellow						
92-74	9.0	8.5	9.2	9.0	8.9	8.1
92-78	10.0	****	9.4	****	9.3	***
92-98	7.0	7.5	8.7	8.7	7.6	4.7
93-28	9.0	8.5	9.0	9.3	9.3	6.0
93-29	8.0	5.1	9.2	5.0	9.5	5.3
93-33	2.0	2.6	5.5	1.5	0.8	0.9
93-34	3.0	2.6	4.5	0.9	0.8	0.9
93-45	8.6	8.9	9.0	9.7	8.6	8.6
93-60	9.0	8.4	8.6	8.9	8.7	7.9
93-67	***	6.8	10.0	7.8	9.1	5.6
93-68	9.0	8.3	9.0	9.7	8.8	8.8

TABLE A3. Durability Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	SUBJECTIVE RATING					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Thermoplastic - Performed, White						
92-63	10.0	7.0	10	9.5	9.8	9.2
93-37	10.0	10.0	10.0	8.3	9.3	9.8
93-38	10.0	8.0	10.0	10.0	9.8	8.5
93-54	10.0	7.0	10.0	10.0	10.0	9.3
93-55	10.0	7.0	10.0	10.0	10.0	7.5
Thermoplastic - Preformed, Yellow						
93-30	10.0	10.0	10.0	9.0	10.0	10.0
93-31	10.0	7.0	10.0	9.0	9.1	9.2
Epoxy - White						
92-97	10.0	6.5	9.7	7.8	8.7	10.0
Epoxy - Yellow						
92-99	10.0	4.8	10.0	7.8	10.0	10.0
Permanent Tape - White						
92-01	10.0	10.0	10.0	10.0	7.3	8.8
92-03	1.5	2.8	7.4	6.0	2.8	5.8
92-86	1.5	1.8	10.0	10.0	5.5	5.8
92-92	5.8	5.0	2.0	4.8	4.7	4.0
93-23	10.0	8.0	10.0	10.0	10.0	10.0
93-25	10.0	6.0	10.0	10.0	7.0	9.2
93-26	10.0	8.0	10.0	10.0	10.0	9.3
93-49	10.0	8.0	10.0	9.3	10.0	9.7
93-56	5.8	6.1	5.0	5.7	6.9	4.8

TABLE A3. Durability Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	SUBJECTIVE RATING					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Permanent Tape - White (con't)						
93-106	10.0	10.0	10.0	10.0	10.0	10.0
93-108	10.0	8.0	10.0	10.0	9.8	9.3
Permanent Tape - Yellow						
92-02	7.5	4.5	6.4	10.0	6.8	8.5
92-85	7.0	10.0	10.0	9.0	7.0	10.0
92-90	4.0	5.0	1.5	4.7	3.8	3.9
93-17	10.0	7.0	10.0	10.0	10.0	9.8
93-24	10.0	7.0	10.0	10.0	10.0	10.0
93-27	10.0	7.0	10.0	10.0	8.8	10.0
93-48	5.3	5.3	10.0	7.3	4.6	5.8
93-57	5.8	6.0	2.4	4.5	5.3	4.3
93-64	4.0	6.0	2.7	6.0	4.8	4.7
93-107	10.0	10.0	10.0	10.0	10.0	10.0
93-109	10.0	10.0	10.0	10.0	10.0	9.5

*** Indicates used only on PCC.

**** Indicates used only on ASPHALT.

TABLE A4. Appearance Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	SUBJECTIVE RATING					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Paint - Polyester, White						
92-06	6.5	3.5	6.3	5.6	6.0	6.0
92-08	7.5	3.9	6.5	5.6	6.0	6.2
92-10	6.5	3.1	6.0	5.6	5.8	6.0
92-36	6.5	7.0	6.5	6.0	6.5	6.5
93-05	6.0	7.1	6.8	6.3	6.5	6.5
93-70	6.5	4.5	6.3	6.0	6.0	5.7
93-73	5.0	4.3	5.6	5.6	5.3	4.0
Paint - Polyester, Yellow						
92-07	7.0	6.2	6.2	5.6	7.3	6.5
92-09	7.0	6.5	6.5	6.0	6.5	7.7
92-11	7.0	6.2	6.2	6.0	6.8	7.0
92-37	7.0	6.0	6.0	5.8	6.5	4.7
92-38	3.5	5.8	4.5	5.0	4.0	4.7
93-06	5.0	6.1	4.5	5.2	5.0	4.7
93-07	6.0	6.3	6.0	5.0	6.0	5.2
93-71	6.0	5.6	5.8	5.3	6.0	6.2
93-72	7.5	5.8	6.3	5.5	6.5	5.7
93-74	7.0	6.3	6.0	5.6	6.6	6.7
Paint - Methy Methacrylate Polymer, White						
92-66	6.0	6.3	5.3	5.5	6.8	5.5
92-68	5.5	6.5	6.5	5.8	5.8	5.5
92-71	5.5	6.8	5.6	6.0	6.5	5.5

TABLE A4. Appearance Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	SUBJECTIVE RATING					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Paint - Methy Methacrylate Polymer, Yellow						
92-44	***	5.5	***	5.0	***	6.5
92-67	6.0	5.8	6.0	5.5	6.0	5.5
92-69	5.0	6.2	5.0	5.5	5.0	5.5
92-70	6.0	5.5	6.5	5.5	6.0	5.5
93-65	4.5	****	5.0	****	4.0	****
Thermoplastic - Alkyd, White						
92-22	7.0	7.1	6.5	6.3	6.0	6.5
92-72	7.5	7.0	7.5	6.8	8.8	7.2
93-35	7.0	6.7	6.8	6.5	6.8	7.0
93-41	7.0	7.2	6.8	6.5	7.0	6.7
93-43	6.0	6.5	6.0	6.5	5.8	6.2
93-47	6.0	7.3	6.3	6.3	6.3	6.5
93-58	7.0	7.0	6.5	6.3	7.8	7.2
93-69	7.0	6.3	6.5	5.0	5.0	6.0
Thermoplastic - Alkyd, Yellow						
92-21	6.5	7.2	6.5	6.3	7.0	7.0
92-73	8.0	7.0	7.0	6.5	7.5	8.0
93-36	7.5	6.8	6.5	6.8	7.3	6.4
93-39	6.5	6.5	5.5	6.0	6.3	6.5
93-40	7.5	7.1	5.5	6.3	7.0	7.0
93-42	6.5	7.3	6.5	6.5	6.8	7.0

TABLE A4. Appearance Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	SUBJECTIVE RATING					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Thermoplastic - Alkyd, Yellow (con't)						
93-46	7.0	7.2	6.0	6.3	6.8	6.7
93-59	8.0	6.8	7.0	6.0	7.5	8.0
Thermoplastic - Hydrocarbon, White						
92-14	7.0	6.7	6.0	6.3	6.3	7.2
92-75	7.0	7.0	6.5	6.8	7.8	7.0
92-76	7.5	****	7.0	****	8.0	****
93-32	7.0	7.3	6.8	7.0	6.8	5.7
93-44	6.5	7.2	5.5	6.3	7.3	6.5
93-66	5.5	6.5	5.8	5.0	6.0	6.0
Thermoplastic - Hydrocarbon, Yellow						
92-74	8.0	7.2	6.8	6.0	8.0	7.2
92-78	7.5	****	6.5	****	8.3	****
92-98	8.0	7.5	6.8	6.8	6.8	7.7
93-28	7.0	6.8	6.5	5.8	6.8	6.5
93-29	7.0	6.3	6.0	6.8	7.0	7.0
93-33	8.0	7.3	5.3	6.3	7.5	7.7
93-34	6.5	6.7	5.5	5.8	5.8	6.2
93-45	7.0	7.5	6.0	6.3	6.8	6.5
93-60	7.5	7.3	6.3	5.5	8.0	7.2
93-67	***	6.6	6.0	6.0	6.0	7.0
93-68	7.0	6.8	6.5	6.5	7.8	7.5

TABLE A4. Appearance Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	SUBJECTIVE RATING					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Thermoplastic - Performed, White						
92-63	10	6.5	6.3	5.8	7.0	5.9
93-37	6.5	6.0	6.6	5.5	6.0	5.0
93-38	6.0	5.3	5.3	5.0	6.3	5.0
93-54	7.0	6.0	6.5	6.0	6.8	5.7
93-55	7.0	6.5	6.8	6.0	6.8	6.0
Thermoplastic - Preformed, Yellow						
93-30	7.0	7.0	5.8	5.5	6.5	6.5
93-31	7.0	6.8	5.5	5.8	7.0	6.5
Epoxy - White						
92-97	3.0	2.5	3.0	2.5	3.3	3.2
Epoxy - Yellow						
92-99	4.5	3.0	3.6	3.0	4.3	3.2
Permanent Tape - White						
92-01	6.5	6.5	6.3	5.8	6.3	5.2
92-03	5.5	5.8	6.0	6.0	5.8	6.2
92-86	6.0	5.8	5.8	5.8	5.5	6.2
92-92	5.5	6.3	5.5	6.3	6.0	5.7
93-23	7.0	7.0	5.8	6.5	7.0	7.0
93-25	7.0	6.5	5.3	6.8	7.0	6.7
93-26	7.0	6.5	5.8	5.5	7.0	6.7
93-49	7.5	7.3	6.3	6.8	7.8	7.5
93-56	6.0	6.0	5.5	6.3	6.7	7.0

TABLE A4. Appearance Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	SUBJECTIVE RATING					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Permanent Tape - White (con't)						
93-106	5.5	6.0	6.0	5.5	5.5	6.0
93-108	8.0	8.5	7.0	7.0	7.8	7.2
Permanent Tape - Yellow						
92-02	5.0	4.5	5.5	5.8	4.8	4.7
92-85	6.0	4.8	5.5	5.5	6.0	5.7
92-90	5.5	6.3	5.0	5.8	6.0	6.0
93-17	7.0	6.5	6.0	6.0	7.3	6.7
93-24	7.0	7.0	6.0	6.3	7.0	7.0
93-27	7.5	6.3	6.0	5.8	7.0	6.5
93-48	6.5	6.8	6.0	6.0	6.3	6.2
93-57	6.0	6.5	5.0	5.0	7.8	6.7
93-64	5.0	6.5	5.3	5.1	5.5	6.0
93-107	7.0	7.0	6.3	6.0	6.3	6.7
93-109	8.0	8.3	7.0	7.0	7.8	7.5

*** Indicates used only on PCC.

**** Indicates used only on ASPHALT.

TABLE A5. Colormeter Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	COLORMETER MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Paint - Polyester, White						
92-06**	24	35	29	47	33	40
	31	32	28	42	31	37
92-08	24	32	32	47	30	45
	30	34	28	40	28	41
92-10	28	31	37	41	38	42
	35	31	31	40	33	39
92-36	12	37	10	44	13	48
	37	44	25	46	25	43
93-05	22	45	16	46	18	53
	35	50	26	48	26	51
93-70	28	34	37	46	36	39
	32	33	35	41	37	28
93-73	30	34	33	44	40	41
	21	29	20	40	26	31
Paint - Polyester, Yellow						
92-07	18	17	23	25	24	22
	20	19	21	24	21	19
92-09	18	24	23	26	24	24
	22	22	20	26	18	24
92-11	19	23	24	27	21	25
	20	20	19	24	19	20
92-37	15	23	19	23	22	27
	15	24	18	24	20	26
92-38	10	25	14	25	18	29
	21	27	21	25	21	26
93-06	18	22	18	23	20	30
	19	20	18	21	19	21
93-07	18	23	19	24	19	23
	18	19	20	19	20	22

TABLE A5. Colormeter Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	COLORMETER MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Paint - Polyester, Yellow (cont'd)						
93-71	17	20	24	30	19	24
	12	19	12	23	12	23
93-72	15	21	21	30	23	28
	11	20	15	23	14	22
93-74	16	19	23	27	25	25
	19	18	19	23	19	22
Paint - Methy Methacrylite Polymer, White						
92-66	43	39	47	54	44	47
	45	36	40	40	44	47
92-68	32	43	40	53	46	50
	48	44	37	45	43	48
92-71	30	34	46	54	54	55
	43	30	27	31	35	33
Paint - Methy Methacrylite Polymer, Yellow						
92-44	***	56	***	61	***	59
	***	49	***	50	***	52
92-67	23	21	28	30	31	26
	27	21	30	25	31	24
92-69	21	25	22	31	23	27
	19	24	18	28	21	25
92-70	28	20	35	30	38	26
	23	17	25	20	28	23
93-65	24	****	19	****	26	****
	29	****	29	****	32	****
Thermoplastic - Alkyd, White						
92-22	50	55	61	57	66	58
	50	49	55	56	50	58

TABLE A5. Colormeter Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	COLORMETER MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Thermoplastic - Alkyd, White (cont'd)						
92-72	54	59	59	66	59	59
	58	54	55	58	61	59
93-35	34	38	35	41	35	51
	38	38	35	39	41	35
93-41	26	55	55	60	50	57
	40	50	49	55	56	59
93-43	45	48	48	53	40	53
	45	46	39	47	42	45
93-47	50	54	55	62	51	57
	38	47	42	48	51	52
93-58	52	61	59	63	57	60
	45	58	45	57	50	51
93-69	36	51	44	58	60	53
	38	48	38	48	51	46
Thermoplastic - Alkyd, Yellow						
92-21	27	35	34	38	19	35
	33	33	33	36	36	38
92-73	29	38	38	40	35	37
	39	38	36	38	37	37
93-36	57	61	51	67	58	24
	49	55	50	52	58	45
93-39	34	34	35	33	34	36
	37	31	34	36	32	35
93-40	29	35	32	38	37	42
	32	34	32	35	37	37
93-42	32	35	27	37	28	36
	35	33	25	35	25	37

TABLE A5. Colormeter Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	COLORMETER MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Thermoplastic - Alkyd, Yellow (con't)						
93-46	27	32	32	38	33	35
	30	27	30	30	31	31
93-59	34	38	37	34	36	37
	37	38	37	37	40	37
Thermoplastic - Hydrocarbon, White						
92-14	33	62	50	62	52	56
	59	55	61	63	48	55
92-75	59	61	63	61	57	62
	57	56	53	54	58	57
92-76	44	****	58	****	63	****
	59	****	58	****	61	****
93-32	29	34	39	23	21	23
	54	56	51	50	50	55
93-44	52	56	57	61	46	59
	49	49	42	50	51	52
93-66	52	52	55	56	52	52
	51	48	45	50	51	52
Thermoplastic - Hydrocarbon, Yellow						
92-74	36	38	37	39	37	37
	34	35	30	32	36	34
92-78	37	****	35	****	37	****
	38	****	34	****	39	****
92-98	37	40	36	38	37	40
	34	37	36	36	41	30
93-28	37	37	39	37	38	36
	38	36	36	37	36	37
93-29	35	20	38	22	36	23
	37	32	34	39	36	37

TABLE A5. Colormeter Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	COLORMETER MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Thermoplastic - Hydrocarbon, Yellow (con't)						
93-33	37	23	18	23	13	24
	43	30	33	30	34	35
93-34	24	23	18	25	12	21
	57	34	34	33	35	37
93-45	28	33	36	36	35	35
	33	31	27	29	31	31
93-60	34	38	31	32	40	37
	34	36	35	33	38	35
93-67	35	31	28	36	31	34
	32	28	30	34	31	34
93-68	37	36	28	39	33	37
	34	34	37	37	38	34
Thermoplastic - Performed, White						
92-63	55	53	58	59	55	24
	49	48	39	50	47	51
93-37	45	47	50	48	46	48
	47	45	43	45	47	46
93-38	42	54	49	56	42	50
	37	41	37	45	37	42
93-54	24	54	56	37	54	21
	49	48	46	49	51	52
93-55	55	53	55	53	55	23
	51	51	57	43	50	54
Thermoplastic - Preformed, Yellow						
93-30	29	31	36	33	29	31
	19	25	32	30	31	32
93-31	32	31	41	44	32	24
	28	26	32	39	30	29

TABLE A5. Colormeter Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	COLORMETER MEASUREMENT					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Epoxy - White						
92-97	20	23	25	29	26	29
	21	20	19	20	15	19
Epoxy - Yellow						
92-99	12	15	14	30	16	17
	15	13	14	26	14	16
Permanent Tape - White						
92-01	43	48	44	54	49	51
	43	33	41	50	48	44
92-03	38	54	55	57	54	67
	40	60	40	54	60	58
92-86	58	54	54	51	49	49
	59	55	46	56	51	56
92-92	48	48	53	48	56	46
	49	44	50	23	50	47
93-23	26	36	27	34	29	34
	33	28	27	36	30	32
93-25	50	57	50	61	53	56
	54	49	48	58	54	53
93-26	51	64	47	68	52	61
	47	49	44	67	47	54
93-49	36	34	40	38	34	36
	37	37	36	35	33	36
93-56	39	46	43	53	49	46
	38	52	42	55	50	55
93-106	38	49	39	51	45	47
	34	42	39	42	43	46
93-108	57	75	74	75	71	72
	58	75	70	72	68	69

TABLE A5. Colormeter Data for Long Life Striping Materials (RTF 93) (Kentucky)

SAMPLE NUMBER	COLORMETER MEASUREMENT*					
	September 94		January 95		May 95	
	ASPHALT	PCC	ASPHALT	PCC	ASPHALT	PCC
Permanent Tape - Yellow						
92-02	35	27	42	40	32	36
	34	17	38	17	24	13
92-85	36	26	31	32	28	29
	40	27	28	31	27	27
92-90	33	29	40	35	39	37
	34	28	36	25	27	27
93-17	27	29	31	32	30	32
	28	26	28	31	27	26
93-24	26	33	29	35	31	34
	32	33	32	36	30	32
93-27	25	28	32	30	27	29
	29	27	34	29	27	26
93-48	43	61	64	66	54	58
	44	63	58	63	55	59
93-57	32	33	34	35	33	36
	35	31	33	36	35	35
93-64	28	24	32	32	38	36
	31	38	30	37	32	37
93-107	35	31	35	33	29	30
	27	27	30	34	29	29
93-109	32	41	42	46	42	39
	36	46	43	44	41	43

* Millicandelas per square foot per footcandle

** Top number is left wheel track measurement and bottom number is centerline measurement.

*** Indicates tape used only on PCC.

**** Indicates tape used only on Asphalt.